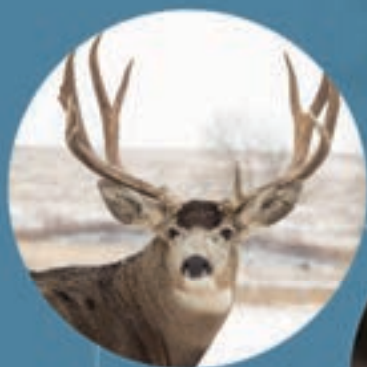


HANDLOADING GUIDE

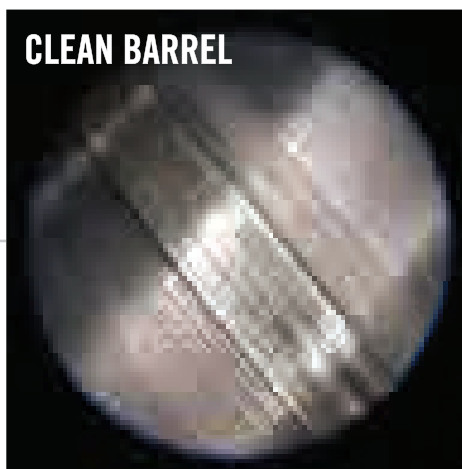
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Getting Started:

Considerations and Helpful Tips

BY ROB BEHR

Savings and accuracy are the two most common reasons for shooters to begin handloading. Some never move past the basics and enjoy the hobby for a lifetime, just for the savings alone. For others though, reloading becomes the gateway to precision that no factory ammunition can provide, where groups are measured in thousandths of an inch and accuracy is king. Handloading can resurrect a family heirloom that uses ammunition long since discontinued or turn an obscure war prize into a shooter. A good handloader can transform a deer rifle into a varmint rifle or a low-recoil plinker. In the end, it is this versatility, along with savings and accuracy, that keep handloaders happily loading cartridges.

SETTING UP ■

This article is intended as an overview of reloading basics. It needs to be supplemented by other reloading manuals, including at least one by a prominent bullet manufacturer. Barnes, Sierra, Hornady and Nosler, along with many others, all offer

great books on the subject. Friends and the Internet are also useful resources for loading tips, but they need to be treated with a grain of salt. If their advice differs significantly from published data, common sense should favor companies with ballistic labs and staff experts.

A RELOADING PLACE ■

A good reloading space should be free of distractions, well lit, dry and warm enough to be comfortable. Ideally it should be a room dedicated to the hobby. The bench simply needs to be sturdy. A press exerts quite a lot of force on the bench, which must be stable enough not to break or bounce as it is used. Several nice reloading benches are available complete from their manufacturers. Plans for dedicated reloading benches are also readily available from Internet sources. Even a reinforced kitchen table works well. The bottom line is that handloaders need a bench before the first round can be made.

THE BARE ESSENTIALS ■

There are basic tools every handloader needs, and reloading kits offer an excellent way to get started. Kits should include most of the items listed below. The rest will need to be purchased separately. Whether they come from a kit or individually, these are the tools everyone needs to safely begin reloading:

SINGLE-STAGE PRESS

This is the main tool used for handloading. It uses mechanical advantage to resize fired cases and seat bullets. Most have some provision to seat primers.

RELOADING DIES

A rifle die set is usually comprised of two dies. The first sizes and deprimers fired cases, and the other seats a new bullet. For straight-walled cases, like many pistol cartridges, die sets will include a third die used to flare the case mouth prior to bullet seating.

SHELLHOLDER

Shellholders mate a case into the press. They are machined to match the rim or extraction groove of the cartridge being loaded.

POWDER MEASURE

Most kits will contain a powder scale, most of which use weights on a balance beam to measure powder. More expensive options may include an electronic scale, which can be more accurate and faster.

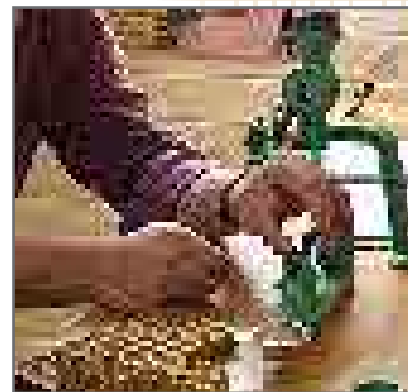
POWDER TRICKLER

A tool used to precisely pour (trickle) powder onto the scale.

LUBE TRAY AND LUBE

Lube is used to keep resized cases from sticking in the die. The lube tray is a simple roll-on type applicator.

*“It’s easy to see
that reloading
makes good
economic sense.”*



CASE CUTAWAY



1. Case Mouth
2. Neck
3. Shoulder
4. Case Body
5. Case Web
6. Flash Hole
7. Primer Pocket
8. Extractor Groove

CASE FUNNEL

A funnel specifically designed to pour powder into a case mouth.

DEBURRING TOOL

A tool used to chamfer and deburr the case mouth.

DIAL CALIPER

Precise measurements are required for safe and reliable handloads. A good caliper is the best tool for the job.

PRIMING TOOL

Most presses come with a tool to safely prime cases. Several after-market hand tools are also available.

CASE TRIMMER

Cases stretch during firing and loading. This may eventually cause problems with chambering and higher than expected pressures. Lee offers trimmers intended for individual calibers. Lathe-type trimmers add versatility for the larger scale handloader.

THE CHAMBER, THE THROAT AND NECK SIZING

For a handloader, understanding a bullet's interaction within the chamber is fundamental to good accuracy and safe handloading. The throat is a smooth, funnel-like area of the chamber that guides a bullet into the rifling. This space allows a bullet to move forward relatively unimpeded for several thousandths of an inch before it begins to swage down to the bore diameter and into the rifling. Precise alignment of the bullet with the throat is a key to rifle accuracy.

If a bullet is misaligned with the throat, pressure will still drive it into the barrel, but on a plane other than its ideal ballistic axis. A bullet on its ballistic axis spins much like a well-thrown football. Off its axis, the bullet will yaw, severely diminishing accuracy. This is most commonly seen when a bullet (usually light and short for the caliber) is seated far away from the throat. Once fired, this bullet has a long "jump" into the rifling, which may keep it from fitting concentrically into the barrel. On the other extreme, a bullet set beyond the throat and into the rifling, can spike pressure and damage the firearm. This is why consistent resizing and precise bullet seating is fundamental to making accurate handloaded ammunition.

Once a cartridge has been fired, it expands to match that chamber's dimension and then shrinks slightly as it cools. This case can usually be used again in the same chamber with very little reworking, except to add tension to the neck so it will hold a bullet. This type of reloading, called neck sizing, creates a more precisely aligned cartridge, because it already matches a specific chamber. Neck sizing is one area where the reloader has an accuracy advantage over factory-produced ammunition. Where factory ammunition must fit many chambers and action types, handloaded ammunition can be made to fit one firearm very precisely.

“Neck sizing is one area where the reloader has an accuracy advantage...”

Reloading Basics

GOOD HABITS ■

Handloading is a fun and safe process when simple safety guidelines are followed. The most obvious areas for concern are open flames and heat sources. Never smoke while reloading. Avoid intoxicants. Keep your reloading bench clear of clutter and only allow components needed for the job at hand to be on the table. Never mix powders or substitute components. Stick to published loading information. Extreme care must be used with any reloading data that fills a case less than half full, which raises the threat of a double-charged cartridge. Finally, if something does not seem to be working, stop and figure out the problem. A few minutes of research is time well spent.

EXAMINE THE CASES ■

In the photographs, new factory cases have been used. Whether you use factory new or previously fired cases, it is important to examine each one for defects. Small dents in the case mouth (*Example 1*) can easily be corrected as part of the sizing process. Others may have manufacturing defects and should be discarded, like the case head separation seen in *Example 2* or the malformed primer pocket seen in *Example 3*. Other defects, such as cracks on the neck, case body or distinct lines above the case web (a sign of potential case head separation) are all reasons to discard brass.



Example 1: Dented Case Mouth



Example 2: Case Head Separation



Example 3: Malformed Primer Pocket

On European or Asian manufactured cases, especially in military calibers, it is worthwhile to check each case by shining a flashlight into the case mouth. These cases may use Berdan priming, rather than the more common Boxer priming. A Berdan primed case uses two offset flash holes instead of the single, centralized one seen with Boxer primers. It is easiest to discard these cases. If rarity, or some other reason, makes reloading them necessary, special tools are required. Attempting to deprime this type of case using standard dies will break the decapping pin.

“Cases stretch as part of both the firing and resizing process.”

LUBING

Cases need to be lubed to prevent them from sticking inside the sizing die. A small amount of case lube should be applied to the lubing tray and the cases gently rolled by hand (Example 4). Too much lube will cause pressure dents on cases, so any excess amount should be wiped away. Too little lube can result in a stuck case and a quick trip to the sporting goods store for a removal kit, conveniently sold by all of the big reloading companies for just this purpose.



Example 4: Applying Case Lube

SIZING

The next step is to install the sizing die, shown partially dismantled in Example 5. The decapping pin needs to protrude at least $\frac{3}{16}$ inch below the bottom of the die. Loosening the set nut allows the decapper to screw up and down inside the die. Once the pin is set, relock the nut. A die-locking ring, located on the threaded portion of the die body, is usually held in place by a small setscrew. This needs to be loosened.

Now screw the die into the top of press and raise the ram to the top of its stroke. Screw the die down until it touches the top of the shellholder and then lower the ram clear. Twist the die down approximately one-eighth of a turn farther to set it for full-length resizing. Test this setting by raising the ram. It should contact the bottom of the die and then cam over-center, which feels like a little bounce in the completed stroke (Example 6). Neck sizing, which is for cartridges that have already been fired in your rifle's chamber, utilizes the same die, using a different setting. The point here is to set the die so that it resizes the neck but does not engage and resize the shoulder.

Now place one of the lubed cases into the shellholder and slowly run it up inside the die. If everything is set correctly, a primer should fall out of the case and the return stroke should expose a resized case. Now wipe the case down with a clean rag and set it aside. Repeat this process until all lubed cases are sized and ready for the next step.

Example 5: Sizing Die



MAXIMUM CASE LENGTH AND CHAMFERING ■

Cases stretch as part of both the firing and resizing processes. Manuals typically provide two measurements related to this issue. Maximum case length is set by industry standards and ensures a safe maximum length in standard chambers. The case trim length, usually .005 to .010 inch shorter than maximum, is the suggested safe length for trimming cases that have stretched. A quick check of each case with a set of calipers will indicate if they are within guidelines. If questionable, a lathe-type or other trimming tool can be used to return them to the recommended length (*Example 7*).

At this point, a chamfering tool should be used to smooth away external burrs for the case mouth and open it slightly. This allows the bullet to be seated more smoothly. Use of a chamfering tool is shown in *Examples 8 and 9*.

With straight-walled cartridges, an expander die is used to slightly bell the case mouth open. In a separate step, the expander die should be inserted into the press and screwed down until it touches the shellholder at the top of the ram's stroke. Loosen the lock nut on top of the die and unscrew the expander to keep from engaging the case mouth. Place a case in the shellholder and run it up into the die. Screw the expander ball down until it makes contact with the case mouth. Resistance can be felt when it makes contact. Adjust the expander downward until it bells the case mouth enough to allow a bullet to fit inside the case (*Example 10*). Too much bellings will reduce case life. Not enough expansion will shave the bullet as it is seated into its case. The case in *Example 10* has been overly belled for photographic purposes.



Example 6

Example 7: Trimming Tool



Examples 8 and 9: Chamfering Tool



Example 10



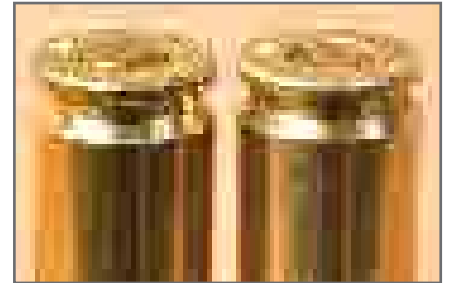


Example 11

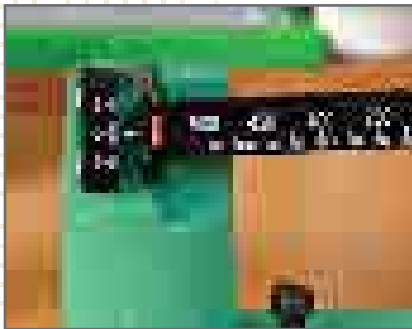
PRIMING

Primers come in two standard diameters, large and small. Within these categories they are further broken down into primers intended for rifles and pistols. Larger powder charges use magnum primers that provide a hotter flame. Manufacturers also offer match primers that have been separated by lot for consistent ignition. Reloading data will stipulate which type to use. Caution is needed here, because use of primers other than those tested in the published data can increase pressure dramatically. Pistol and rifle primers are also not safely interchangeable.

Most single-stage presses use a spring-loaded arm that is swung manually under the case to press the primer into place (*Example 11*). Primers are designed to detonate when crushed, so care is necessary whenever they are seated. Safety glasses should always be worn when reloading, but caution is especially important during this step. Wear safety glasses. If resistance is encountered while priming, stop and find out why. When seated properly, the primer should be slightly recessed into its pocket. The case on the left in *Example 12* is not seated deeply enough.



Example 12: Primer on left is not seated deeply enough



Example 13: Balance Beam Scale at 0

POWDER CHARGE

After checking to confirm that the powder matches the reloading data and bullet selection, fill the powder trickler. When using a beam scale, make sure it balances at zero with an empty pan (*Example 13*). Now set the scale to the desired charge weight and then recheck it against the guide. Using the trickler, fill the pan until the beam again indicates it is in balance (*Example 14*). A small spoon will help with overfills. Charge all of the cases to reload before moving on to the next step (*Example 15*). Once they have been filled, use a light to ensure they have all been filled correctly (*Example 16*).



Example 14: Fill the pan with the Trickler until beam is in balance



Example 15: Charge each case



Example 16

Most serious reloaders opt to use a volumetric mechanical powder measure to speed the charging process. These tools measure powder as it is metered from a powder reservoir called a “hopper.” Volumetric mechanical powder measures are usually very accurate, especially when using spherical powders, and reasonably inexpensive. They certainly can speed the loading process.

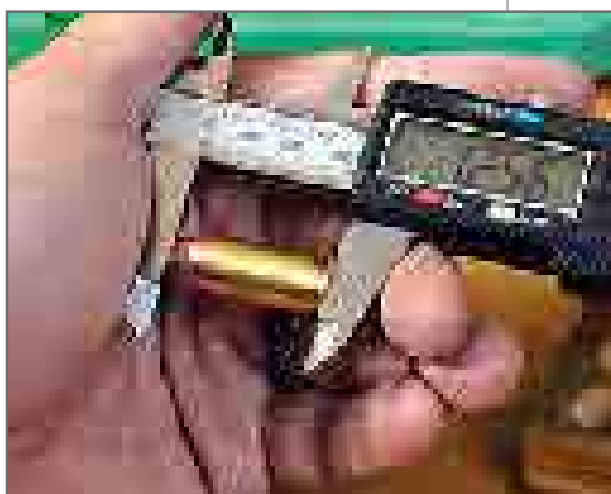
BULLET SEATING

The seater die uses an adjustable stem to seat the bullet. It also may be used to crimp the bullet into place if that option is desired. To begin, place one of the charged cases into the press and run it to the top of the stroke. Screw the seater die in until resistance is felt. This resistance is from the portion of the die reserved for crimping the case mouth. Now, back the die out at least one-half turn and set the locking nut. Carefully set a bullet into the case mouth and slowly raise the ram (Example 17). Working in small increments, screw the seater stem down and raise the ram until the desired bullet depth is reached (Example 18). Check your progress frequently with calipers to ensure the proper seating depth, which is listed in most manuals as cartridge overall length (COL). If a cannelure is present, it is common to seat the bullet so the case mouth is centered in the cannelure groove.

“Primers are designed to detonate when crushed, so care is necessary whenever they are seated.”



Example 17



Example 18

“Never seat a pistol bullet deeper than specified by the reloading data.”

SEATING DEPTH AND PRESSURE CHANGES ■

Seating depth has serious ramifications for the handloader, especially with pistol ammunition. Never seat a pistol bullet deeper than specified by the reloading data. Extremely high pressure can be created in loads that would otherwise be quite safe.

WHEN TO CRIMP ■

For our purposes there are two types of crimps, both of which are intended to increase neck tension. A roll crimp is used in conjunction with a crimp groove or cannelure to press the case mouth into the bullet. This type of crimp is common on straight-walled revolver cartridges that headspace on their rims. Roll crimps help keep bullets from jumping forward during recoil, potentially blocking cylinder rotation. On rifle cartridges, especially cartridges that may be used in tubular magazines, roll crimps keep the bullet from being pushed back into the case.

Taper crimping is most commonly used on cases intended for use in semiautomatic pistols. Unlike a roll crimp, taper crimps do not require a cannelure. Instead, it tapers the case body slightly to increase neck tension. This type of crimp is useful on cartridges that headspace on the case mouth. Not all seater die sets come with a taper crimp option. The manufacturer's literature included with your die set should include crimp information. Taper crimp dies are also available individually from most of the major handloading supply companies.

ROLL CRIMPING ■

Once the proper bullet depth has been set, roll crimping only involves a quick die adjustment (*Example 19*). Back out the seater stem several turns to keep it from contacting and more deeply seating the bullet as the die is adjusted. Now working in small increments, turn the die body down and raise the loaded round. You should feel some light resistance. Continue this process until the case mouth has rolled into the cannelure, locking the bullet in place (*Example 20*). Over-crimping will buckle the case or push the shoulder back, potentially ruining your cartridge. With the roll crimp adjusted, the final step is to run the crimped cartridge back up into the die and turn the seater stem down until it contacts the bullet. At this point, reset the locking nut. Your dies are now set to seat each bullet to the correct depth and properly crimp them in place.



Example 19

Example 20

“Roll crimps help keep bullets from jumping forward during recoil, potentially blocking cylinder rotation.”

TAPER CRIMPING ■

Setting a seater die or specialized taper crimping die is similar to the process of roll crimping. Using a cartridge with the bullet set to the correct depth as a gauge, move the seater stem up until it no longer makes contact with the bullet. Again, working in small increments, adjust the die downward until it creates a uniform crimp. If this is being done with a seater die, run the cartridge back up inside the die and adjust the seater stem until it makes contact with the bullet. Once the lockring has been set, the bullet depth and crimp tension should be the same for each subsequent cartridge. A taper-crimped .45 ACP cartridge is shown in *Example 21*.



Example 21

STORING THE FINISHED PRODUCT ■

Keep a loading log. In it note the date, cartridge designation, bullet, powder, case manufacturer, primer and COL. Leave enough room to record your shooting results. Over time, it will become a valuable resource that preserves your best loads and reminds you of mistakes. Store reloaded ammunition carefully. After-market plastic cartridge boxes work well. Make sure to mark all the pertinent information on the box. Almost inevitably, other types of boxes will eventually be used. It is hard to overstate how important it is to correctly mark any box, especially old factory ammunition boxes, with the new ammunition's information.



Tips, Tricks

and Signs of Trouble

*“In ballistics,
velocity and
pressure go
hand-in-hand.
There is no free
lunch.”*

WORK IN BATCHES ■

As you learn handloading basics, it is best to work in small batches and test them before loading hundreds of rounds. They will demonstrate that the load combination is safe, accurate and will cycle correctly in your firearm. It is far easier to discard or dismantle a few incorrect rounds rather than hundreds. With this in mind, tools made to dismantle handloads, either kinetic bullet pullers or collet-type dies, quickly pay for themselves.

THERE IS NO FREE LUNCH ■

Our customer service experts commonly hear from consumers experiencing unusually high velocity, usually using a friend's favorite load. When customers say their loads are 200 feet per second faster than our maximum load, there is cause for concern. The phrase “without any visible pressure signs” inevitably follows. The simple answer to this statement is that the velocity itself is evidence of higher pressure.

The handloader's goal when making ammunition can vary. It can be for greater accuracy, per-shot savings or to make a round that fits some specialized need. Seeking velocity that is higher than factory ammunition is one of those goals that should be carefully examined before being attempted. In ballistics, velocity and pressure go hand in hand. There is no free lunch. Usually a different cartridge with more case capacity is the best answer when higher velocity is the goal.

EXTERNAL PRESSURE SIGNS ■

Primers are the easiest place to see signs of high pressure. As pressure builds, they back out of the primer pocket and are pressed against the bolt face. Some setback is normal. As pressure increases, more of the primer cup is extruded until it is eventually pressed out of the primer pocket entirely. Primers subjected to high pressure will be extremely flat and may no longer be perfectly circular.

Example 22: Flowing Primer



Primer Side View

Example 22 shows the next level of cartridge overpressure. This primer has begun to extrude around the firing pin. Gas leakage can be seen around the primer pocket. More pressure would drive the primer out of the pocket, leaving only a blackened hole. Extruded, perforated and blown primers are obvious signs of overpressure or incorrectly loaded cartridges.

Example 23 shows three .45 ACP cases fired under laboratory conditions. This is an excellent example of hidden pressure. The cartridge on the far left produced 6,000 psi, which is well below the SAAMI standard. Soot near the case mouth shows that the cartridge did not completely seal within the chamber, allowing gas to leak back. The



Example 23

second case achieved 21,000 psi, which is the SAAMI maximum pressure limit for this cartridge. Note that the sooty deposit is less obvious because of a better chamber seal. The cartridge on the right generated almost twice the SAAMI maximum load, topping out a bit above 36,000 psi. It produced eye-popping velocities, but would be dangerous in some automatic pistols. Examining these cases gives no indication that the third was overpressure. A chronograph would have revealed the higher-than-expected velocity and told a savvy handloader that the load was too hot.

MEASURING PRESSURE ■

Modern ballistic labs use piezoelectric transducers to measure pressure in pounds per square inch. The transducer is placed, via a specially modified barrel, in contact with the cartridge body. When fired, case expansion slightly crushes the piezo crystal creating an electrical charge. This charge can be directly translated into a pressure reading. Average pressures for all the loads in our guide are provided along with the average velocity. Handloaders with a chronograph will be able to compare their velocities to our laboratory's results, offering insights into the pressure of their loads.

SQUIB LOADS ■

Handloaders need to be aware to the dangers of squib loads that can lodge a bullet in the barrel. Typically this is caused by an improperly measured powder charge or by powders or primers that have been contaminated during the loading process. Squibs can drive a bullet part way down the barrel, where pressure from the next shot can cause a catastrophic failure. Any shot that generates an odd sound or unusual feeling recoil needs to be investigated.

“Extruded, perforated and blown primers are obvious signs of overpressure or incorrectly loaded cartridges.”

“There is no way to overstate the importance of using the right powder.”

“...handloading offers versatility and savings unmatched by commercially available ammunition.”

USE THE RIGHT POWDER ■

There is no way to overstate the importance of using the right powder. Smokeless powder is usually categorized in a range running from fastest to slowest as a measure of burn rate. This is a bit of a misnomer, as the powder under pressure is consumed in microseconds whether it is the fastest or slowest powder available for small arms. Burn rate reflects how quickly a powder achieves peak pressure and its duration. Powders intended for shotguns and pistols achieve their peaks faster and with a shorter duration than those intended for rifles.

A .38 Special can operate very well with three to four grains of most fast powders, a potential issue in itself that we will discuss below. If the same fast powder is mistakenly used in a rifle cartridge, gross overpressure will occur. Given this type of mistake, the best a handloader can hope for is a conversation piece to hang in a gun shop somewhere. The worst can involve a trip to the hospital. Accidents can be avoided by following a few safety rules.

Never store smokeless powder in anything other than its original container. This is a simple rule, but it is one that is frequently broken even by experienced handloaders. Never buy powder from anywhere other than an authorized dealer. It is a constant source of amazement among our technical staff how often people buy powder from garage sales or inherit it from a loved one. It does not matter how careful your relative was or how reputable that garage sale seller may seem. No good deal is worth the cost of the cheapest firearm, a hand or an eye. Pass up the unknowns. It is just common sense.

Powder left in a thrower is often the source of accidents. Unused powder should be returned to its original container at the end of each loading session. If it is not, powder tends to draw water from the air, changing its volume-to-weight ratio. This usually only lowers performance, but powder left out in its thrower can also be adulterated or confused with another powder. If there is a hint of doubt about the powder or how long it has been exposed, it should be thrown away.

More insidious is the chance that a small amount of fast powder may still remain in the thrower, left over from the last reloading session. It is a simple mistake to add powder appropriate to the next reloading project over the top of that still in the hopper. The first throw is then a different powder than the one intended for the task at hand. Inside the case, the inappropriate powder can be covered over by a partial throw of the desired powder, leaving it hidden from a casual inspection. This potentially catastrophic mistake can easily be avoided by thoroughly emptying the thrower when a reloading session is done.

USE THE RIGHT AMOUNT ■

The case capacities of many older cartridges are far larger than the amount of modern propellant they can safely use. Picking on the .38 Special again, it is not unusual to load the cartridge with three or four grains of a fast powder. It has the capacity to hold at least four times that amount. The handloader needs to use special care when loading cartridges with small amounts of powder, as multiple charges in the same case can be difficult to detect and will create dangerously high pressure.

BULLET STABILIZATION PROBLEMS ■

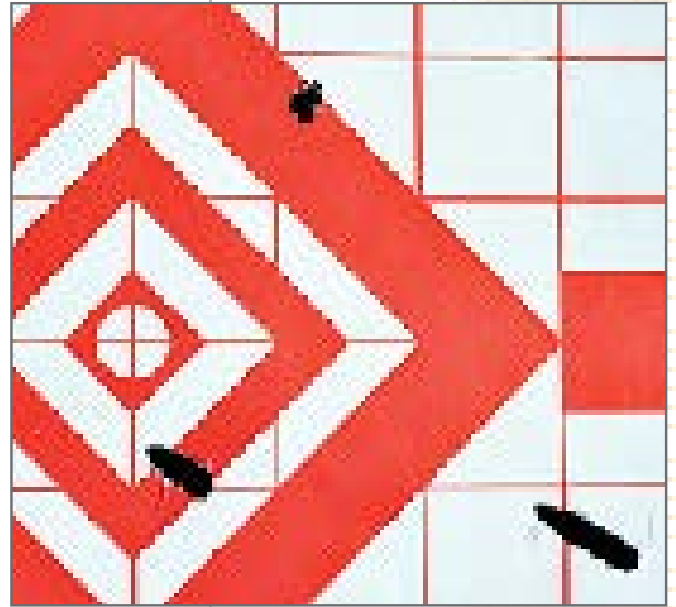
Rifles derive their name from the process of rifling that seems to have emerged toward the end of the fifteenth century. Grooves cut into the barrel impart a gyroscopic

spin to stabilize bullets in flight. The rate of rotation, or twist, is measured by how many inches it takes a bullet to make one complete revolution. A bullet that is turned once every 7 inches is considered to be twisted faster than one that makes one full revolution in 14 inches.

Shape, weight and length all affect how much twist is needed to stabilize a bullet in flight. In a .223 Remington, a 50-grain bullet may be perfectly stable in a one-in-14-inch twist. Using that same twist, a 77-grain bullet in the same caliber will be unstable and inaccurate. This is most easily seen when a bullet leaves an oblong hole in a paper target. In extreme instances, the hole will show a bullet in profile, called a keyhole. In *Example 24*, the hole on the lower right is an example of a keyhole strike. These three shots, fired at 20 feet, were from a one-in-12-inch twist .223 Remington rifle using 77-grain Sierra bullets.

For the handloader, keyholing is an indicator that a rifle's twist is too slow for the bullet being tested. As a general rule, the longer a bullet in a given caliber, the more rapid the twist required. An unstable bullet indicates that a shorter (usually lighter) bullet is needed. Many bullet manufacturers print twist requirements on their boxes, especially if they are intended for a specialized rate.

The opposite problem can exist when a bullet rotates faster than designed. Some .224-caliber bullets are built to expand in velocity ranges typical to the .22 Hornet. A rapidly twisted .22-250 Remington can literally spin one of these bullets apart in flight. A disintegrating bullet will leave a gray, wispy tail spinning out from the bullet hole in a paper target. It may also disappear in a gray puff on its way downrange.



Example 24: Irregular hole in the lower right is a keyhole strike, which indicates a bullet stabilization problem.

A HOBBY FOR A LIFETIME ■

Like any great hobby, reloading can become a passion that lasts a lifetime. Good quality reloading tools last for years, passed from one generation to the next, along with the firearms they have served. Whether your goal is loading for the most advanced modern sporting rifle, or a pistol built before your grandfather was born, handloading offers versatility and savings unmatched by commercially available ammunition. It is also fun. Be safe and enjoy.



What Went Wrong?

Guides written for beginning handloaders are typically aimed at explaining the really big things that need to be understood. Admittedly they are pretty important. Making mistakes when it comes to the “REALLY BIG THINGS” like using the right type of powder in the correct amount is the difference between a pleasant shooting experience and a mistake that damages guns and shooters. There are smaller mistakes that often aren’t covered; the ones that leave damaged cases, dimpled shoulders and cartridges that just generally look weird. Correcting these smaller issues is usually a simple job, but it can vex beginning handloaders until they learn the tricks.

“Dimples will usually stop forming once the sizing die is cleaned with a swab or brush.”

DIMPLES ON THE CASE SHOULDER ■

During resizing it is common to find that dimples have formed on the case shoulder. In extreme instances the case body will collapse beneath the shoulder leaving a deep depression. These dimples and dents are formed when excess lube is trapped between the case and the die body. While they may be unsightly, pressure dimples are typically benign. In all but the most severe instances, firing the cartridge will iron out the dimples leaving a case that is ready to be reloaded again.

Dimples will usually stop forming once the sizing die is cleaned with a swab or brush. Some resizing dies have small relief holes to reduce pressure inside the die body. These can become clogged and may also need to be cleaned. With that job done, the hand-

loader should experiment with using less lubricant on subsequent cases. On long production runs, it is a good idea to run a swab into the sizing die after about fifty rounds to clean away excess buildup before it can cause a problem.

Use enough lube to ensure that cases will easily enter the die. If the case seems sticky going in, stop and apply more lube. Dimples aren’t much of a problem, but removing a stuck case can be a real bearcat.



Shoulder dimples like the one on the left are caused by excess lube in the resizing die. Unless they compromise the shoulder like the case on the right, they are safe to fire and reload. Cleaning the resizing die with a swab to remove excess lube and other buildup within the die should solve the problem.

CRUSHED SHOULDERS ■

Crushed or set-back shoulders are caused by a couple of simple mistakes. They can cause problems with chambering as well as accuracy because this issue may impact headspace. Glancing at the problem, the resizing process would seem a likely culprit, but it is actually caused by problems arising from bullet seating tension and roll crimping.

The problem occurs when excessive downward force is applied to the case neck during seating or crimping, causing the shoulder to bulge within the seating die. There are two potential causes for this problem. The first is neck tension.

As part of the sizing process a button is passed through the case neck, leaving it smaller than the bullet diameter. This neck tension is what holds a bullet in place. If the neck diameter is too small or the case mouth is left blunt rather than funneled with a chamfering tool, the force needed to insert a bullet can crush the case shoulder. Make sure that case mouths have been adequately chamfered if you are seeing shoulder set-back. If the problem persists, a larger sizing ball may be needed to reduce neck tension.

A much more common reason for shoulder set-back is excessive crimping. Seating dies are designed to roll crimp the top of the neck into the bullet to increase neck tension. The deeper the cartridge is pushed into the die, the more pronounced the crimp becomes. Setting a die to crimp heavily or having cases with overly long necks may crush the cartridge shoulder.

The best way to avoid crushed shoulders is to trim cartridges to the same length so they receive similar crimping force within the die. The easiest option, especially with bolt action rifles, is to reduce crimp pressure or to forego crimping all together and rely solely the neck tension to hold the bullet in place.



Excessive downward force during the seating and crimping operation can set-back or crush the case shoulder. Usually this is caused by excessive crimping force. Backing the seater die out slightly to reduce crimping force usually eliminates the problem.

“The deeper the cartridge is pushed into the die, the more pronounced the crimp becomes.”

CRIMPING ISSUES IN STRAIGHT-WALLED CARTRIDGES ■

The line between a good heavy crimp for a hard recoiling load versus an excessive crimp is easily crossed during the seating process. A good roll crimp locks the bullet into the cartridge, preventing its movement under recoil. Roll crimping is a good handloading practice with straight-walled cases but over crimping can cause problems by adversely impacting accuracy or buckling the case body directly below the base of the bullet.

“Crimping as a separate step allows the handloader to better feel how much pressure is being applied to the crimp.”



Excessive crimping force will buckle the case body and may leave it crushed right below the bottom of the bullet. Reducing the crimping force by moving the seating die upward or moving to crimping as a separate step will correct the issue.

The easiest fix is to perform the seating and crimping steps separately instead of both as a part of the bullet seating process. Crimping as a separate step allows the handloader to better feel how much pressure is being applied to the crimp.

With a bullet seated to the proper depth, run the cartridge up into a dedicated crimping die, or into the seater die with the seater stem moved away from contact with the bullet. Work in small increments adjusting the die body down until a solid crimp is formed. Usually the handloader can look at the cartridge and see that the mouth has been smoothly rolled into the cannelure. At that point, the locking ring can be set and the rest of the production run can be quickly crimped.

“Inadequately belled cases will work like cookie cutters...”

BELLING-RELATED ISSUES

For lead bullets, the case mouth needs to be expanded broadly enough to allow a bullet to be inserted inside the case rather than resting on the rim. Inadequately belled cases will work like cookie cutters, neatly cutting away the edge of the bullet as it is pressed into the cartridge. If you are finding your loaded cartridges have excess lead deposits on their exterior, inadequate case mouth bellings is the likely cause. Increasing

Soft lead bullets and inadequate case mouth expansion will produce a smear of lead when loading soft cast bullets. Belling the case mouth more broadly and carefully guiding the bullet into the seater will make better loads.



the depth of the expander will produce a broader case mouth and should resolve this problem.

Sometimes bullets will destroy the case wall rather than sliding inside the cartridge body. Increasing the case mouth flare will often solve this problem as well. In some instances, crushed case walls can also be caused by the handloader failing to center the bullet in the case mouth. This can be easily remedied by holding the bullet squarely with the thumb and index finger until it is pushed up into the seating die.

Failure to guide a bullet into the seating die can result in crushed cases or damaged case mouths. Make sure to guide the bullet fully into the seating die while seating and stop the seating process if excessive force is required to seat the bullet.



AVOID EXCESSIVE FORCE AND ERRING ON THE SIDE OF CAUTION ■

Small mistakes in handloading are common and most are easily remedied. Some, like pressure dimples are merely unsightly. Others may damage components beyond salvage. As a general rule, if it takes unusual force to seat a bullet or size a case, it is time to stop and figure out what is going wrong. More force is almost never the right answer. All it produces is ruined components and potentially dangerous situations. If you suspect there is a problem with a cartridge you have made, discard it and move on. Some mistakes are trivial, but others ruin guns, hands and eyes. Always put safety first and err on the side of caution.

“...if it takes unusual force to seat a bullet or size a case, it is time to stop and figure out what is going wrong.”

Load Data and Abbreviations

WARNINGS

This Guide is intended to be used as a reference. Each individual handloader must determine what is the best and safest load for his/her equipment. The loads described in this Guide were generated at the ballistics test facilities of Western Powders, Inc. in accordance with SAAMI (Sporting Arms and Ammunition Manufacturers' Institute) guidelines. All loads were 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 and Ramshot powders. This Guide is not intended to be a reloading textbook but rather a list of recommended loads for Accurate and Ramshot 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 these products. The ballistics data contained in this Guide was obtained at Western Powders' ballistics facilities under strictly controlled conditions and is applicable ONLY for Accurate and Ramshot powders. It is important to remember that equipment variations and 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 needed 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 the powder container is empty prior to discarding.

NOTE: LOAD DATA IN THIS GUIDE SUPERSEDES ALL PREVIOUS ACCURATE AND RAMSHOT LOAD DATA.

Always Use the Latest Load Data!

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PRIMER WARNINGS

1. NEVER MIX PRIMERS of different makes.
2. Store primers in their original packaging 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 decap live or new primers – fire them in the appropriate gun and then decap.
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.
3. ALWAYS START LOADING WITH THE MINIMUM POWDER CHARGE SHOWN.
4. Designate a work area to be used only for reloading and keep that area clean and orderly.
5. Label components and reloads for quick and easy identification.
6. Develop a reloading routine and follow it.
7. 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).
12. When the case fill is less than 50 percent extreme care should be taken to avoid the possibility of double charging. Always check every round.

COMPANY ABBREVIATIONS

AK	Alaska Bullet Company	GSCB	GS Custom Bullets	PENNY'S	Penny's Hand and Machine Casting
ALEX	Alexander Industries, Inc.	HAWK	Hawk, Inc.	RAIN	Rainier Ballistics, LLC
ARMSCOR	Armscor International, Inc.	HDY	Hornady Manufacturing Company	RCBS	Precision Reloading
BADMAN	Badman Bullets	IMI	Israel Military Industry, Ltd.	REM	Remington Arms Company, LLC
BARNES	Barnes Bullets, LLC	JAMISON	Jamison International, LLC	RMR	Rocky Mountain Reloading
BERGER	Berger Bullets	LAPUA	Nammo Lapua Oy	RWS	RWS Fabriken
BERRY	Berry's Manufacturing, Inc.	LC	Laser Cast, Oregon Trail Bullet Company	SF	SinterFire, Inc.
BIB	Bibullets	LHG	Lehigh Defense, LLC	SIERRA	Sierra Bullets
BME	Belt Mountain Enterprises	LYMAN	Lyman Products Corp.	SPEER	Speer Bullets
BSC	Big Sky Components	MBW	Montana Bullet Works	STAR	Starline Brass, Inc.
BULL-X	Bull-X, Inc.	MCB	Montana Cast Bullets	SWIFT	Swift Bullet Company
CLEMNT	Custom Molds	MIL	Military	TS	True Shot, Oregon Trail Bullet Company
CP	Cast Performance Bullet Company	MSS	Mid-South Shooter's Supply	WBY	Weatherby, Inc.
CE	Cutting Edge Bullets	MTB	Mount Baldy Bullet Company	WIN	Winchester
FED	Federal Cartridge Company	NORMA	Norma Precision AB	WDL	Woodleigh Bullets
FIOCCHI	Fiocchi Munizioni SpA	NOSLER	Nosler, Inc.	WW	Winchester Western
FNH	Fabrique Nationale, Herstal	PENN	Penn Bullets		

PRIMER ABBREVIATIONS

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

OTHER ABBREVIATIONS

CIP	Commission Internationale Permanente
CUP	Copper Units of Pressure
SAAMI	Sporting Arms and Ammunition Manufacturers' Institute

BULLET ABBREVIATIONS

A-BOND	AccuBond	HP	Hollow Point	SPHJ	Soft Point Heavy Jacket
A-Bond LR	AccuBond Long Range	HPFB	Hollow Point Flat Base	SPSX	Spire Point Super Explosive
A-MAX	A-MAX Match Bullet (Hornady)	HP/FN	Hollow Point Flat Nose	SPT	Spitzer (Sierra)
AF	A-Frame	HP-V	Hollow Point Varminter	SPT-V	Spitzer Varmint
B-L	Blood Line	HP "Bee"	Hollow Point for Tube Fed Rifles	SPZSP	Spitzer Soft Point (Speer)
B-TIP	Ballistic Tip (Nosler)	HPBT	Hollow Point Boat Tail	SSP	Single Shot Pistol
BAND-S	Banded Solid	HPBT-CC	Hollow Point Boat Tail Custom Competition	SSS	Saeco Semi-Spitzer
BB	Bevel Base	HUNT	Hunting Profile Bullet	SSSP	Semi-Spitzer Soft Point
BK	BlitzKing	HYBRID	Long Range Bullet	SST	Super Shock Tipped
B-PIN	Bowling Pin	JHC	Jacketed Hollow Cavity	SWC	Semi Wadcutter
BST	Ballistic Silvertip, Combined Technology	JHP	Jacketed Hollow Point	SWCBB	Semi Wadcutter Beveled Base
BSTR	Buster (Barnes)	JSP	Jacketed Soft Point	SWCGDC	Semi Wadcutter Gas Check Double Cannelure
BT-FMJ	Boat Tail - Full Metal Jacket with Cannelure	KSPB	Keith-Style Piston Bullet	SWCKDC	Semi Wadcutter Keith Double Cannelure
BT-MB	Boat Tail - Match Burner	(L)	Lead	TAC-TX	Tactical Tipped X-Bullet M/LE
BTHP	Boat Tail Hollow Point	LFNGC	Long Flat Nose Gas Check	TAC-X BT	Tactical X-Bullet Boat Tail
BTHP-M	Boat Tail Hollow Point - Match	LFNPB	Long Flat Nose Plain Base	TAC-XP	Tactical X-Bullet M/LE
BTLF	Ballistic Tip Lead-Free	LRX	Long Range X Bullet	TC	Truncated Cone
BTSP	Boat Tail Spire Point	LRX BT	Long Range X Bullet BT	TCBB	Truncated Cone Beveled Base
BTT	Boat Tail Target	ME	Maximum Expansion (Lehigh Defense)	TGK	Tipped Game King
BTTLR	Boat Tail Target Long Range	M 855	US Military Enhanced Penetrator	T-HEAD	Thunder Head
BTV	Boat Tail Varmint	M-FLEX	Monoflex (Hornady)	THOTM	Tactical Hybrid Open Tip Match
CC	Controlled Chaos (Lehigh Defense)	M-HYB	Match Hybrid	TMJ-FN	Total Metal Jacket - Flat Nose
CF	Controlled Fracturing (Lehigh Defense)	M-TSP	Mag-Tip Soft Point	TMK	Tipped Match King
CQ	Close Quarters (Lehigh Defense)	MIL	Typical Military Ball	TNT-HP	Varmint Hollow Point (Speer)
CT	Combined Technologies, Olin/Nosler	MK	MatchKing	TRN	Total Copper Jacket Round Nose
CTRN	Combined Technologies Round Nose	MMF	Match Mag Feed	TSX	Triple-Shock X-Bullet
DBB	Double Beveled Base	MPG	Multi-Purpose Green	TSX-BT	Triple-Shock Boat Tail
DEWC	Double End Wad Cutter	MRX	Maximum Range X Bullet	TSX-FB	Triple-Shock Flat Base
E-TIP	Polymer Tip, Lead-Free	MRX-BT	Maximum Range X Bullet Boat Tail	TTSX	Tipped Triple Shock X-Bullet
ELD-M	Extremely Low Drag Match (Hornady)	MS	Match Solid	V-MAX	V-MAX Varmint Bullet (Hornady)
FB	Flat Base	NTP	Narrow Taper Point	VAR	Varmint Bullet (Berger)
FB-MB	Flat Base-Match Burner	NTX	Non-Toxic Expanding	VARM	Varminator
FBT	Flat Base Target	ORYX	Bonded Bullet	VARMG	Varmageddon
FBV	Flat Base Varmint	(P)	Plated Bullet	VARMGT	Varmageddon Tipped
FMJ	Full Metal Jacket	PART	Partition	VG	Varmint Grenade
FMJ-BT	Full Metal Jacket Boat Tail	PH	Pro-Hunter	VLC	Varmint bullet with Dry Lubricant Coating
FMJBT GK	Full Metal Jacket Boat Tail Game King	PLINKR	Plinker Lead-Tipped Short-Jacket	VLD	Very Low Drag
FMJ-CT	Full Metal Jacket - Combat/Target	PSP CL	Pointed Soft Point Core Loct	VNX	Varmint Nightmare X-treme
FMJ PH	Full Metal Jacket Pro Hunter	PUNCH	Punch Bullet, BME	WBFPGC	Wide Base Flat Point Gas Check
FN	Flat Nose	RAPTOR	Solid Copper Hollow Point Bullet	WC	Wadcutter
FN-O	Flat Nose Original (Barnes)	RDF	Reduced Drag Factor	WCDBB	Wadcutter Double Base Beveled
FNSP	Flat Nose Soft Point	RHFP	Reduced Hazard Flat Point	WFNGC	Wide Flat Nose Gas Check
FP	Flat Point	RN	Round Nose	WFNPB	Wide Flat Nose Plain Base
FPJ	Full Profile Jacket	RNDS	Round Nose Double Strike	WFGC	Wide Flat Point Gas Check
FS	Fail Safe, Combined Technology	RNFP	Round Nose Flat Point	WLCPP	Weldcore Protected Point
FTX	Flexible Tip Technology	RNFPGC	Round Nose Flat Point Gas Check	WLNGC	Wide Long Nose Gas Check
GC	Gas Check	RNSWC	Round Nose Semi Wadcutter	WNFPGC	Wide Nose Flat Point Gas Check
GDHP	Gold Dot Hollow Point	RS	Radiused Shoulder	WNGC	Wide Nose Gas Check
GK	GameKing	SBT	Spitzer Boat Tail (Sierra)	WTP	Wide Taper Point
GMX	Gilding Metal Expanding	SBTSP	Spitzer Boat Tail Spire Point (Speer)	X	X-Bullet
GS	Golden Saber	S-SPTZ	Semi-Spitzer	XBT	X Boat Tail Bullet
GSLAM	Grand Slam	SCENAR	Match Boat Tail (Lapua)	XC	Xtreme Cavitator
GT	Golden Target (Norma)	SCIR	Scirocco	XD	Xtreme Defense
HB	Hollow Base	SLD	Solid	XFB	X Flat Base Bullet
HORNET	Bullet intended for .22 Hornet velocities	SMP	Semi Point	XP	Xtreme Penetrator
		SP	Spire Point or Soft Point	XPB	X Pistol Bullet
				XTP	Extreme Terminal Performance

UNDERSTANDING THE DATA

- BULLET WEIGHT** - This column indicates the actual weight of the bullet used (measured in grains).
- BULLET MAKE** - This column shows the manufacturer of the bullet used (*see page 17 for abbreviation list*).
- BULLET TYPE** - This column indicates the brand name and/or specific type of bullet used (*see page 17 for abbreviation list*).
- START LOAD** - This column defines the weight of powder you should always use to start your load testing with the specific powder listed (measured in grains).
- START VELOCITY** - This column indicates the actual bullet velocity measured by our ballistics lab (measured in feet per second) when using the start load of powder.
- MAX LOAD** - This column defines the maximum weight of powder you could use in your load testing with the specific powder listed (measured in grains). **NEVER EXCEED THIS MAXIMUM LOAD**, as it can create a very dangerous load combination.
- MAX VELOCITY** - This column indicates the actual bullet velocity measured by our ballistics lab (measured in feet per second) when using the maximum load of powder.
- MAX PRESSURE** - This column indicates the pressure of the maximum load tested (measured in pounds per square inch).
- COL (CARTRIDGE OVERALL LENGTH)** - This column provides the length of the loaded cartridge used in our tests. It is measured from bullet tip to the bottom of the case (in inches). *See Special Note on COL below.*
- COMP. LOAD** - This column indicates a compressed powder charge. (*Rifle section only.*)

1	2	3	4	5	6	7	8	9	10
Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
17 HORNET									
Barrel: 24" Twist: 1-10" Primer: WIN WSR Bullet Diameter: 0.172"									
Case: HORN Max Case Length: 1.340" Trim Length: 1.330"									
ACCURATE 5744									
20	HDY	V-MAX	10.1	3,097	11.2	3,412	47,498	1.711	C
20	NOSLER	VARMG	10.1	3,106	11.2	3,424	49,018	1.720	
25	BRG	VARMNT	9.5	2,828	10.5	3,125	49,674	1.720	
25	HDY	V-MAX	9.4	2,786	10.5	3,070	49,298	1.711	
ACCURATE 1680									
20	HDY	V-MAX	10.0	3,183	11.2	3,493	49,657	1.711	
20	NOSLER	VARMG	10.1	3,203	11.2	3,483	49,354	1.720	
25	BRG	VARMNT	9.0	2,862	9.8	3,041	49,156	1.720	
25	HDY	V-MAX	9.0	2,724	10.0	2,983	49,046	1.711	
ACCURATE LT-30									
20	HDY	V-MAX	10.8	3,093	12.0	3,404	47,324	1.711	C
20	NOSLER	VARMG	10.9	3,139	12.1	3,423	47,685	1.720	C
25	BERGER	VARM	9.9	2,771	11.0	3,071	49,768	1.720	C
25	HDY	V-MAX	10.3	2,801	11.4	3,093	49,868	1.711	C
ACCURATE LT-30									
25	BERGER	VARM	10.4	2,789	11.6	3,083	49,768	1.720	C
ACCURATE 2200									
20	HDY	V-MAX	11.7	3,203	13.0	3,553	49,669	1.711	C
20	NOSLER	VARMG	11.9	3,297	13.2	3,606	49,934	1.720	C
25	BRG	VARMNT	10.8	2,946	12.1	3,235	49,267	1.720	
25	HDY	V-MAX	11.2	2,930	12.4	3,223	48,714	1.711	C

GENERAL GUIDELINES:

- Always begin loading at the minimum "start load."
- Increase in 2% increments towards the maximum load.
- Watch for signs of excessive pressure.
- Never exceed the maximum load.

NOTES ON CARTRIDGE OVERALL LENGTH

- Cartridge Overall Length (COL) is an important measurement that sets both bullet protrusion into the chamber and usable space within a cartridge.
- In pistol cartridges, the tested COL should be followed closely. Seating bullets more deeply into the case will increase pressure.
- Overall length in rifle cartridges may be moved more freely to fit individual chambers.

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

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

HANDGUN LOAD DATA

(For a complete list of Powder Burn Rates, see the chart on page 120.)

HANDGUN - POWDER TO CARTRIDGE REFERENCE LIST

Powders listed fast to slow → Accurate Nitro 100 NF Ramshot Competition Ramshot Zip Accurate Solo 1000 Accurate No. 2 Ramshot Silhouette Ramshot True Blue Accurate No. 5 Accurate No. 7 Accurate No. 9 Accurate TCM Accurate 4100 Ramshot Enforcer Accurate 5744 Accurate 1680

	SP	SP	FL	FL	SP	SP	SP	SP	SP	SP		SP		SP	EXT	SP
5.7x28 FN							X	X	X							
22 TCM											X	X	X	X		
30 Luger					X			X	X							
32 Auto (ACP)					X			X								
327 Federal Mag.							X	X	X	X			X			
380 Auto (ACP)	X	X	X	X	X	X	X	X	X							
9mm Luger & +P	X	X	X	X	X	X	X	X	X							
38 Super & +P			X		X	X	X	X	X							
357 SIG			X		X	X	X	X	X	X						
38 Special & +P	X	X	X	X	X	X	X	X	X							
357 Magnum			X	X	X		X	X	X	X	X	X	X	X		
357 Maximum												X	X		X	X
357 Maximum T/C															X	X
40 S&W	X	X	X	X	X	X	X	X	X							
10mm Auto						X		X	X	X						
41 Rem. Mag.							X	X	X	X	X	X	X	X	X	
44 Special			X		X	X	X	X								
44 Rem. Mag.							X		X	X		X	X	X	X	
45 GAP			X		X	X	X	X	X							
45 ACP & +P	X	X	X	X	X	X	X	X	X							
45 Colt 14,000 psi	X	X	X	X	X	X	X	X	X							
45 Colt 30,000 psi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
454 Casull							X		X	X		X	X	X	X	X
460 S&W										X		X	X	X	X	X
480 Ruger									X	X		X	X	X		
475 Linebaugh										X		X	X	X	X	
475 Maximum										X		X		X		
500 S&W					X					X		X	X	X	X	X
500 Linebaugh										X		X	X	X	X	
500 Maximum												X		X	X	X

Spherical (SP) Extruded (EXT) Flake (FL)

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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5.7 X 28MM FN

Barrel: 5" | Twist: 1-9" | Primer: WIN WSP | Bullet Diameter: 0.224"
Case: FNH | Max Case Length: 1.135" | Trim Length: 1.130"

RAMSHOT TRUE BLUE

35	HDY	V-MAX	5.7	1,923	6.4	2,007	45,500	1.491
40	SIERRA	HORNET	5.6	1,813	6.3	1,961	45,300	1.456
40	HDY	V-MAX	5.0	1,660	5.6	1,850	48,800	1.580
45	SIERRA	HORNET	5.4	1,700	6.1	1,858	45,600	1.490
45	SIERRA	SPT	4.8	1,562	5.4	1,725	46,200	1.580

ACCURATE NO. 5

35	HDY	V-MAX	6.0	1,955	6.7	2,100	45,500	1.491
40	SIERRA	HORNET	5.8	1,850	6.5	1,975	45,200	1.456
40	HDY	V-MAX	5.1	1,657	5.7	1,875	48,000	1.580
45	SIERRA	HORNET	5.7	1,740	6.4	1,875	45,400	1.490
45	SIERRA	SPT	5.0	1,558	5.6	1,746	47,800	1.580

ACCURATE NO. 7

35	HDY	V-MAX	7.4	2,041	8.2	2,197	45,200	1.491
40	SIERRA	HORNET	7.0	1,896	7.7	2,044	45,100	1.456
40	HDY	V-MAX	6.1	1,679	6.8	1,880	48,200	1.580
45	SIERRA	HORNET	6.7	1,782	7.4	1,913	45,400	1.490
45	SIERRA	SPT	5.9	1,568	6.5	1,782	48,300	1.580

Special notes on the 5.7x28FN

- 1) Extremely sensitive caliber. Adhere closely to indicated loads and COL guidelines
- 2) Begin at the MINIMUM start load and increase only in increments of 0.1 grain

22 TCM

Barrel: 5" | Twist: 1-12" | Primer: CCI 500 | Bullet Diameter: 0.224"
Case: ARMSCOR | Max Case Length: (Consult with Firearm Manufacturer)

ACCURATE TCM

35	HDY	V-MAX	9.1	1,918	10.2	2,095	38,362	1.290
39*	ARMSCOR	HP	8.5	1,806	9.4	1,943	38,188	1.150
40	SIERRA	HP	8.7	1,807	9.6	1,958	38,193	1.285

ACCURATE 4100

35	HDY	V-MAX	9.4	1,858	10.4	2,043	36,911	1.290
39*	ARMSCOR	HP	9.0	1,762	10.0	1,904	37,063	1.150
40	SIERRA	SP	9.2	1,774	10.2	1,911	37,137	1.285

RAMSHOT ENFORCER

35	HDY	V-MAX	9.5	1,877	10.5	2,064	37,759	1.290
39*	ARMSCOR	HP	9.1	1,777	10.1	1,921	37,867	1.150
40	SIERRA	SP	9.3	1,791	10.3	1,929	37,942	1.285

ACCURATE NO. 11 FS

35	HDY	V-MAX	10.0	1,791	11.1	2,054	38,219	1.290
39*	ARMSCOR	HP	9.6	1,682	10.7	1,914	37,917	1.150
40	SIERRA	SP	10.0	1,762	11.2	1,945	38,473	1.285

*Compatible with 22 TCM 9R Glock Conversion

30 LUGER (7.65X21 PARABELLUM)

Barrel: 6" | Twist: 1-11" | Primer: WIN WSP | Bullet Diameter: 0.308"
Case: FIOCCHI | Max Case Length: 0.850" | Trim Length: 0.845"

ACCURATE NO. 2

86	HDY	RN SP	4.3	1,190	4.8	1,316	32,133	1.175
90	HDY	XTP	4.1	1,106	4.5	1,257	28,000	1.170
100	SPEER	PLINKR	3.7	1,061	4.4	1,204	33,189	1.180

ACCURATE NO. 5

86	HDY	RN SP	5.6	1,240	6.2	1,409	28,000	1.175
90	HDY	XTP	5.2	1,145	5.8	1,301	26,300	1.170
100	SPEER	PLINKR	5.0	1,126	5.5	1,280	26,700	1.180

ACCURATE NO. 7

86	HDY	RN SP	6.8	1,247	7.6	1,417	26,800	1.175
90	HDY	XTP	6.5	1,177	7.2	1,338	26,400	1.170
100	SPEER	PLINKR	6.2	1,139	6.9	1,294	26,200	1.180

32 AUTO (32 ACP, 7.65MM BROWNING)

Barrel: 4" | Twist: 1-16" | Primer: WIN WSP | Bullet Diameter: 0.312"
Case: REM | Max Case Length: 0.680" | Trim Length: 0.675"

ACCURATE NO. 2

71	SIERRA	FMJ	2.0	572	2.2	650	19,300	0.955
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Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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85 HDY XTP

1.6 612 1.8 695 18,800 0.940

ACCURATE NO. 5

71 SIERRA FMJ 2.9 619 3.2 703 19,700 0.955

85 HDY XTP 2.2 615 2.4 699 19,100 0.940

327 FEDERAL MAGNUM

Barrel: 5" | Twist: 1-16" | Primer: WIN WSP | Bullet Diameter: 0.312"
Case: FED | Max Case Length: 1.200" | Trim Length: 1.190"

RAMSHOT TRUE BLUE

78 (L)	LC	RN	8.1	1,572	9.0	1,747	42,520	1.454
85	HDY	XTP	7.8	1,480	8.7	1,644	43,520	1.443
90 (L)	HDY	SWC	7.1	1,382	7.9	1,536	41,260	1.487
100	HDY	XTP	6.9	1,297	7.7	1,441	41,980	1.440
115 (L)	LC	FP	6.3	1,209	7.0	1,343	41,330	1.500

ACCURATE NO. 5

78 (L)	LC	RN	8.4	1,585	9.3	1,761	43,510	1.454
85	HDY	XTP	7.7	1,448	8.5	1,609	43,460	1.443
90 (L)	HDY	SWC	7.4	1,400	8.2	1,555	43,480	1.487
115 (L)	LC	FP	6.6	1,209	7.3	1,343	44,140	1.500

ACCURATE NO. 7

78 (L)	LC	RN	10.1	1,616	11.2	1,796	41,040	1.454
85	HDY	XTP	9.4	1,503	10.4	1,670	44,020	1.443
90 (L)	HDY	SWC	9.0	1,445	10.0	1,605	44,160	1.487
100	HDY	XTP	8.5	1,355	9.4	1,505	43,080	1.440
115 (L)	LC	FP	7.9	1,276	8.8	1,418	44,570	1.500

ACCURATE NO. 9

90 (L)	HDY	SWC	13.1	1,544	14.5	1,715	37,210	1.487
100	HDY	XTP	11.7	1,417	13.0	1,574	36,950	1.440
115 (L)	LC	FP	10.8	1,355	12.0	1,506	38,760	1.500

RAMSHOT ENFORCER

100	HDY	XTP	12.2	1,370	13.6	1,522	29,970	1.440
115 (L)	LC	FP	11.5	1,343	12.8	1,492	34,930	1.500

380 AUTO (380 ACP, 9MM KURZ)

Barrel: 3.75" | Twist: 1-16" | Primer: WIN WSP | Bullet Diameter: 0.355"
Case: Rem | Max Case Length: 0.680" | Trim Length: 0.675"

ACCURATE NITRO 100 NF

80	BARNES	XPB	1.8	772	2.1	867	21,456	0.970
100 (P)	BERRY	RNHB	1.9	686	2.3	800	21,464	0.960
100 (P)	RAIN	RN	1.9	683	2.2	799	21,487	0.960

RAMSHOT COMPETITION

80	BARNES	XPB	2.1	786	2.3	873	20,380	0.970
100 (P)	BERRY	RNHB	2.0	693	2.3	794	21,486	0.960
100 (P)	RAIN	RN	1.9	692	2.2	799	21,494	0.960

RAMSHOT ZIP

80	BARNES	XPB	2.3	776	2.6	862	20,090	0.970
90	HDY	XTP	2.7	800	3.4	980	18,500	0.965
100 (P)	BERRY	RNHB	3.0	786	3.5	923	21,462	0.960
100 (P)	RAIN	RN	2.8	781	3.3	918	21,304	0.960
102	REM	GS	2.9	765	3.4	892	21,466	0.965
115	SIERRA	JHP	2.4	720	2.9	840	19,300	0.980

ACCURATE SOLO 1000

80	BARNES	XPB	2.5	847	2.9	963	21,483	0.970
100 (P)	BERRY	RNHB	2.6	765	3.0	868	21,459	0.960
100 (P)	RAIN	RN	2.5	772	3.0	879	21,461	0.960
102	REM	GS	2.5	747	2.9	854	21,488	0.965

ACCURATE NO. 2

80	BARNES	XPB	2.6	807	2.9	897	20,910	0.970
90	HDY	XTP	3.3	818	3.7	930	20,912	0.960
95	SIERRA	FMJ	3.3	822	3.7	934	18,322	0.945
100 (P)	BERRY	RNHB	2.8	766	3.2	895	21,429	0.960
100 (P)	RAIN	RN	2.7	769	3.2	897	21,428	0.960
102	REM	GS	2.6	748	3.1	863	21,479	0.965

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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380 AUTO (380 ACP, 9MM KURZ) *(continued)*

RAMSHOT SILHOUETTE

80	BARNES	XPB	3.4	856	3.8	951	20,410	0.970
100 (P)	BERRY	RNHB	3.7	791	4.4	960	21,486	0.960
100 (P)	RAIN	RN	3.7	819	4.4	973	21,428	0.960

RAMSHOT TRUE BLUE

80	BARNES	XPB	3.2	790	3.5	878	20,540	0.970
90	HDY	XTP	3.7	800	4.5	960	18,700	0.965
100 (P)	BERRY	RNHB	3.8	823	4.5	951	21,412	0.960
100 (P)	RAIN	RN	3.7	820	4.4	941	21,491	0.960
102	REM	GS	3.6	788	4.2	905	21,444	0.965
115	NOSLER	JHP	3.3	725	3.8	830	18,600	0.980

ACCURATE NO.5

80	BARNES	XPB	3.6	807	4.0	897	20,130	0.970
90	HDY	XTP	4.3	810	4.8	920	20,403	0.960
95	SIERRA	FMJ	4.3	784	4.8	891	18,316	0.945
100 (P)	BERRY	RNHB	4.3	813	5.1	952	21,497	0.960
100 (P)	RAIN	RN	4.2	801	5.0	948	21,491	0.960
102	REM	GS	4.1	777	4.8	917	21,478	0.965

9MM LUGER (9MM PARABELLUM, 9X19)

Barrel: 4" | Twist: 1-10" | Primer: WIN WSP | Bullet Diameter: 0.355"
Case: WIN | Max Case Length: 0.754" | Trim Length: 0.749"

ACCURATE NITRO 100 NF

90	HDY	XTP	3.8	1,140	4.2	1,206	34,823	1.070
95	BARNES	TAC-XP	3.4	1,023	3.7	1,109	34,123	1.160
115	NOSLER	JHP	3.1	912	3.4	972	34,700	1.077
115	SIERRA	FMJ	2.9	926	3.3	986	33,912	1.100
115 (P)	BERRY	RNDS	3.3	947	3.7	1,009	34,003	1.130
115 (P)	RAIN	HP	2.8	895	3.4	985	34,500	1.100
115 (P)	RAIN	RN	3.3	951	3.6	1,020	34,781	1.140
115 (L)	LC	RN	2.9	980	3.3	1,032	34,451	1.070
124	HDY	XTP	2.6	839	2.9	883	34,835	1.060
124	REM	GS	2.9	841	3.3	941	34,221	1.145
124	SPEER	GDHP	2.9	761	3.2	865	34,968	1.105
124	WIN	FMJ	2.6	761	3.0	864	33,750	1.100
124 (P)	BERRY	HBFP	2.9	865	3.2	918	34,556	1.060
124 (P)	BERRY	RN	3.2	901	3.6	965	34,646	1.160
124 (P)	RAIN	HP	2.9	852	3.3	911	34,000	1.110
124 (P)	RAIN	RN	3.1	901	3.5	958	33,846	1.160
124 (L)	LC	RN	2.6	896	2.9	947	34,995	1.050
125	SIERRA	JHP	2.6	827	2.9	882	34,004	1.035
147	REM	GS	2.8	781	3.1	825	34,013	1.165
147	SPEER	TMJ-FN	2.5	737	2.8	782	34,409	1.130
147 (P)	RAIN	TRN	2.8	767	3.1	823	34,985	1.160
147 (L)	LC	FP	2.5	806	2.7	854	34,238	1.145

RAMSHOT COMPETITION

90	HDY	XTP	3.9	1,145	4.4	1,209	34,564	1.070
95	BARNES	TAC-XP	3.7	1,052	4.1	1,115	34,595	1.160
115	NOSLER	JHP	3.2	919	3.6	992	34,774	1.077
115	SIERRA	FMJ	3.3	958	3.7	1,020	33,912	1.100
115 (P)	BERRY	RNDS	3.5	980	3.9	1,018	34,312	1.130
115 (P)	RAIN	RN	3.2	941	3.6	1,003	34,202	1.140
115 (L)	LC	RN	3.5	1,038	3.8	1,084	34,622	1.070
124	HDY	XTP	2.7	846	3.0	898	34,722	1.060
124	MIL	FMJ	2.9	788	3.4	890	34,825	1.100
124	REM	GS	3.2	890	3.5	964	34,710	1.145
124	SPEER	GDHP	3.0	816	3.3	884	34,612	1.105
124 (P)	BERRY	HBFP	3.0	872	3.3	945	33,994	1.060
124 (P)	BERRY	RN	3.1	875	3.5	948	34,641	1.160
124 (P)	RAIN	HP	3.0	849	3.4	940	34,097	1.110
124 (P)	RAIN	RN	3.2	883	3.5	964	34,602	1.160
124 (L)	LC	RN	2.6	894	2.9	954	34,713	1.050
125	SIERRA	JHP	2.8	836	3.1	897	34,158	1.035
147	REM	GS	3.1	804	3.4	856	34,449	1.165
147	SPEER	TMJ-FN	2.5	709	2.8	777	32,759	1.130

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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147 (P)	RAIN	TRN	2.7	758	3.0	814	34,427	1.160
147 (L)	LC	FP	2.6	835	2.9	896	34,964	1.145

RAMSHOT ZIP

90	HDY	XTP	4.6	1,172	5.1	1,280	34,911	1.070
90	SF	RHFP	3.9	1,064	4.3	1,182	34,030	1.120
95	BARNES	TAC-XP	4.2	1,070	4.7	1,172	34,333	1.160
100	SF	RHFP	3.6	993	4.0	1,103	34,550	1.120
115	NOSLER	JHP	4.1	990	4.5	1,083	34,616	1.077
115	SIERRA	FMJ	4.0	1,016	4.5	1,106	34,991	1.100
115	BARNES	XPB	3.3	876	3.7	973	32,540	1.160
115 (P)	BERRY	RNDS	4.1	1,005	4.6	1,089	34,219	1.130
115 (P)	RAIN	RN	4.3	1,016	4.8	1,113	34,669	1.140
115 (L)	LC	RN	3.8	1,041	4.2	1,125	34,442	1.070
124	HDY	XTP	3.3	888	3.7	967	34,893	1.060
124	MIL	FMJ	3.8	879	4.3	985	34,750	1.100
124	REM	GS	4.1	970	4.6	1,055	34,880	1.145
124	SPEER	GDHP	3.8	888	4.2	979	34,218	1.105
124 (P)	BERRY	HBFP	3.7	928	4.1	1,004	34,111	1.060
124 (P)	BERRY	RN	4.1	938	4.6	1,033	34,750	1.160
124 (P)	RAIN	HP	3.9	930	4.3	1,015	34,991	1.110
124 (P)	RAIN	RN	4.2	965	4.6	1,067	34,862	1.160
124 (L)	LC	RN	3.4	958	3.7	1,035	34,722	1.050
125	SIERRA	JHP	3.4	886	3.8	970	34,303	1.035
147	REM	GS	3.5	835	3.9	911	34,651	1.165
147	SPEER	TMJ-FN	3.2	784	3.5	857	34,533	1.130
147 (P)	RAIN	TRN	3.5	822	3.9	904	34,722	1.160
147 (L)	LC	FP	3.2	867	3.5	941	34,740	1.145

ACCURATE SOLO 1000

90	HDY	XTP	4.5	1,176	5.0	1,249	34,801	1.070
95	BARNES	TAC-XP	4.1	1,072	4.6	1,156	34,210	1.160
115	NOSLER	JHP	4.0	999	4.5	1,053	34,699	1.077
115	SIERRA	FMJ	4.1	1,030	4.6	1,085	34,867	1.100
115 (P)	BERRY	RNDS	4.0	1,004	4.4	1,057	34,113	1.130
115 (P)	RAIN	HP	3.4	930	4.1	1,055	34,750	1.100
115 (P)	RAIN	RN	4.0	996	4.4	1,061	34,927	1.140
115 (L)	LC	RN	4.0	1,066	4.5	1,122	34,990	1.070
124	HDY	XTP	3.2	868	3.6	935	34,909	1.060
124	REM	GS	4.0	955	4.4	1,026	34,214	1.145
124	SPEER	GDHP	3.4	847	3.8	941	34,553	1.105
124	WIN	FMJ	3.1	827	3.6	945	34,250	1.100
124 (P)	BERRY	HBFP	3.6	908	4.0	977	34,629	1.060
124 (P)	BERRY	RN	3.6	892	4.0	978	34,384	1.160
124 (P)	RAIN	HP	3.8	918	4.2	993	34,818	1.110
124 (P)	RAIN	RN	3.8	941	4.2	1,011	34,910	1.160
124 (L)	LC	RN	3.3	950	3.7	1,007	34,428	1.050
125	SIERRA	JHP	3.4	882	3.8	953	34,824	1.035
147	REM	GS	3.5	829	3.9	890	34,912	1.165
147	SPEER	TMJ-FN	3.1	780	3.5	843	34,601	1.130
147 (P)	RAIN	TRN	3.3	816	3.7	871	34,173	1.160
147 (L)	LC	FP	3.2	867	3.5	923	34,101	1.145

ACCURATE NO.2

90	HDY	XTP	4.8	1,214	5.4	1,293	34,863	1.070
90	SF	RHFP	4.3	1,080	4.8	1,200	34,620	1.120
95	BARNES	TAC-XP	4.2	1,083	4.7	1,158	34,754	1.160
100	SF	RHFP	4.0	978	4.4	1,087	34,270	1.120
115	NOSLER	JHP	4.2	1,016	4.7	1,077	34,725	1.077
115	SIERRA	FMJ	3.7	971	4.6	1,088	34,202	1.100
115	BARNES	XPB	4.1	905	4.6	1,005	33,330	1.160
115 (P)	BERRY	RNDS	4.2	1,043	4.7	1,103	34,853	1.130
115 (P)	RAIN	HP	3.7	977	4.4	1,034	34,550	1.100
115 (P)	RAIN	RN	4.2	1,023	4.7	1,100	34,695	1.140
115 (L)	LC	RN	3.9	1,055	4.4	1,109	34,808	1.070
124	HDY	XTP	3.3	877	3.6	938	34,518	1.060
124	REM	GS	4.3	989	4.8	1,054	34,859	1.145
124	SPEER	GDHP	3.9	917	4.3	989	34,347	1.105

(continued on next page)

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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9MM LUGER (9MM PARABELLUM, 9X19) (continued)

ACCURATE NO. 2 (continued)

124	WIN	FMJ	3.6	880	4.2	992	34,675	1.100
124 (P)	BERRY	HBFP	3.7	940	4.1	999	34,231	1.060
124 (P)	BERRY	RN	4.0	962	4.4	1,042	34,237	1.160
124 (P)	RAIN	HP	3.9	960	4.3	1,017	34,618	1.110
124 (P)	RAIN	RN	4.1	977	4.6	1,055	34,751	1.160
124 (L)	LC	RN	3.4	953	3.8	1,012	34,794	1.050
125	SIERRA	JHP	3.6	889	4.0	961	34,688	1.035
135	RMR	FP	3.3	826	3.9	912	34,326	1.100
147	REM	GS	3.6	831	4.0	890	34,211	1.165
147	SPEER	TMJ-FN	3.3	814	3.6	869	34,909	1.130
147 (P)	RAIN	TRN	3.4	835	3.8	901	34,683	1.160
147 (L)	LC	FP	3.2	852	3.6	911	34,444	1.145

RAMSHOT SILHOUETTE

65	LHG	XD	7.4	1,474	8.7	1,643	32,330	1.100
90	HDY	XTP	6.2	1,253	6.9	1,368	34,689	1.070
90	SF	RHFP	5.8	1,207	6.4	1,341	34,910	1.120
90	LHG	XD	6.1	1,189	6.8	1,300	34,422	1.125
95	BARNES	TAC-XP	5.7	1,179	6.3	1,281	34,876	1.160
100	SF	RHFP	5.2	1,108	5.8	1,231	34,980	1.120
115	NOSLER	JHP	5.1	1,060	5.7	1,136	34,211	1.077
115	SIERRA	FMJ	5.3	1,109	5.9	1,180	34,992	1.100
115	BARNES	XPB	4.8	1,003	5.3	1,114	34,030	1.160
115 (P)	BERRY	RNDS	5.5	1,099	6.2	1,189	34,777	1.130
115 (P)	RAIN	RN	5.4	1,070	6.0	1,178	34,963	1.140
115 (L)	LC	RN	5.1	1,126	5.7	1,199	34,718	1.070
124	HDY	XTP	4.6	945	5.4	1,072	34,850	1.060
124	MIL	FMJ	4.7	962	5.5	1,085	34,775	1.100
124	REM	GS	5.3	1,034	5.9	1,124	34,210	1.145
124	SPEER	GDHP	5.0	1,002	5.6	1,090	34,969	1.105
124 (P)	BERRY	HBFP	4.8	1,000	5.4	1,082	34,338	1.060
124 (P)	BERRY	RN	5.2	1,023	5.8	1,133	34,986	1.160
124 (P)	RAIN	HP	5.1	1,004	5.6	1,095	34,556	1.110
124 (P)	RAIN	RN	5.2	1,018	5.8	1,119	34,354	1.160
124 (L)	LC	RN	4.5	1,020	5.0	1,096	34,644	1.050
125	SIERRA	JHP	4.6	984	5.1	1,060	34,661	1.035
135	RMR	FP	4.4	888	5.2	1,021	34,724	1.100
147	REM	GS	4.6	911	5.2	993	34,106	1.165
147	SPEER	TMJ-FN	4.2	880	4.7	955	34,766	1.130
147 (P)	RAIN	TRN	4.4	887	4.9	974	34,078	1.160
147 (L)	LC	FP	4.1	906	4.6	981	34,001	1.145

RAMSHOT TRUE BLUE

90	SF	RHFP	5.2	1,082	5.8	1,202	33,680	1.120
95	BARNES	TAC-XP	5.2	1,071	6.1	1,226	34,681	1.160
100	SF	RHFP	4.8	995	5.3	1,106	34,170	1.120
115	NOSLER	JHP	5.2	1,046	5.8	1,132	34,719	1.077
115	SIERRA	FMJ	5.0	1,006	5.9	1,147	34,512	1.100
115	RMR	FMJ	5.3	1,065	5.9	1,151	33,554	1.120
115	BARNES	XPB	4.4	902	4.9	1,002	32,150	1.160
115 (P)	BERRY	RNDS	5.1	1,019	6.0	1,161	34,671	1.130
115 (P)	RAIN	RN	4.9	1,070	5.8	1,187	34,793	1.140
115 (L)	LC	RN	4.8	1,041	5.7	1,174	34,761	1.070
124	HDY	XTP	4.7	892	5.5	1,060	34,525	1.060
124	RMR	JHP	5.0	992	5.6	1,084	34,604	1.120
124	MIL	FMJ	4.9	895	5.8	1,065	34,850	1.100
124	REM	GS	5.3	995	6.2	1,145	34,632	1.145
124	SPEER	GDHP	4.9	929	5.7	1,075	34,906	1.105
124 (P)	BERRY	HBFP	4.6	936	5.5	1,074	34,903	1.060
124 (P)	BERRY	RN	5.1	970	6.0	1,133	34,932	1.160
124 (P)	RAIN	HP	4.9	951	5.8	1,093	34,740	1.110
124 (P)	RAIN	RN	5.1	981	6.0	1,137	34,984	1.160
124 (L)	LC	RN	4.3	944	5.0	1,070	34,891	1.050
125	SIERRA	JHP	4.2	879	5.0	1,008	34,663	1.035
147	REM	GS	4.4	846	5.2	970	34,946	1.165

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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ACCURATE NO. 5

90	SF	RHFP	5.6	1,101	6.2	1,223	33,540	1.120
95	BARNES	TAC-XP	5.6	1,066	6.6	1,228	34,466	1.160
100	SF	RHFP	5.2	1,031	5.8	1,145	34,600	1.120
115	RMR	FMJ	5.6	1,036	6.2	1,124	34,067	1.120
115	NOSLER	JHP	5.3	987	6.3	1,137	34,913	1.077
115	SIERRA	FMJ	5.3	1,001	6.3	1,148	34,200	1.100
115	BARNES	XPB	5.0	959	5.5	1,065	33,880	1.160
115 (P)	BERRY	RNDS	5.6	1,007	6.6	1,162	34,667	1.130
115 (P)	RAIN	HP	4.8	1,005	5.7	1,125	34,850	1.100
115 (P)	RAIN	RN	5.2	1,062	6.1	1,170	34,902	1.140
115 (L)	LC	RN	5.2	1,034	6.1	1,179	34,420	1.070
124	HDY	XTP	4.8	905	5.7	1,075	34,500	1.060
124	WIN	FMJ	5.3	950	6.0	1,075	34,555	1.150
124	RMR	JHP	5.5	989	6.1	1,076	34,039	1.120
124	REM	GS	5.5	970	6.5	1,127	34,544	1.145
124	SPEER	GDHP	5.1	924	6.0	1,067	34,989	1.105
124 (P)	BERRY	HBFP	4.9	929	5.8	1,069	34,456	1.060
124 (P)	BERRY	RN	5.4	956	6.4	1,116	34,732	1.160
124 (P)	RAIN	HP	5.3	949	6.2	1,094	34,909	1.110
124 (P)	RAIN	RN	5.4	960	6.4	1,118	34,451	1.160
124 (L)	LC	RN	4.6	939	5.4	1,078	34,557	1.050
125	SIERRA	JHP	4.6	899	5.4	1,027	34,952	1.035
135	RMR	FP	4.7	840	5.6	971	34,226	1.100
147	REM	GS	4.7	857	5.5	974	34,444	1.165
147	SPEER	TMJ-FN	4.3	826	5.1	938	34,969	1.130
147 (P)	RAIN	TRN	4.6	828	5.5	967	34,884	1.160
147 (L)	LC	FP	4.4	867	5.2	990	34,998	1.145

ACCURATE NO. 7

95	BARNES	TAC-XP	6.8	1,071	8.0	1,242	34,913	1.160
115	NOSLER	JHP	6.5	1,000	7.6	1,139	34,284	1.077
115	SIERRA	FMJ	6.6	1,036	7.8	1,166	34,566	1.100
115 (P)	BERRY	RNDS	7.0	1,037	8.2	1,185	34,933	1.130
115 (P)	RAIN	HP	5.5	1,018	6.5	1,157	34,675	1.100
115 (P)	RAIN	RN	5.7	1,032	6.7	1,165	34,399	1.140
115 (L)	LC	RN	6.4	1,052	7.5	1,178	33,632	1.070
124	HDY	XTP	6.2	978	7.3	1,150	34,750	1.060
124	WIN	FMJ	6.4	975	7.5	1,139	34,925	1.100
124	REM	GS	6.7	981	7.9	1,140	34,678	1.145
124	SPEER	GDHP	6.3	944	7.4	1,090	34,724	1.105
124 (P)	BERRY	HBFP	5.9	929	6.9	1,072	34,627	1.060
124 (P)	BERRY	RN	6.5	966	7.6	1,120	34,312	1.160
124 (P)	RAIN	HP	6.2	941	7.3	1,087	34,604	1.110
124 (P)	RAIN	RN	6.5	961	7.7	1,124	34,634	1.160
124 (L)	LC	RN	5.5	944	6.5	1,086	34,546	1.050
125	SIERRA	JHP	5.6	897	6.5	1,035	34,747	1.035
135	RMR	FP	5.6	875	6.6	1,008	34,202	1.100
147	REM	GS	5.7	854	6.7	986	34,976	1.165
147	SPEER	TMJ-FN	5.3	818	6.2	948	34,863	1.130
147 (P)	RAIN	TRN	5.6	859	6.6	984	34,748	1.160
147 (L)	LC	FP	5.4	881	6.3	996	34,748	1.145

9MM LUGER +P

Barrel: 4" | Twist: 1-10" | Primer: WIN WSP | Bullet Diameter: 0.355"
Case: WIN | Max Case Length: 0.754" | Trim Length: 0.749"

ACCURATE NITRO 100 NF

90	HDY	XTP	4.1	1,198	4.6	1,271	38,283	1.070
115	SIERRA	FMJ	3.3	993	3.6	1,046	38,023	1.100
124	HDY	XTP	2.8	872	3.2	931	38,247	1.060
124	REM	GS	3.3	929	3.6	994	37,327	1.145
124	SPEER	GDHP	3.1	827	3.3	913	38,367	1.105
124 (P)	RAIN	HP	3.3	913	3.6	981	38,427	1.110
124 (L)	LC	RN	2.8	929	3.1	984	38,306	1.050

(continued on next page)

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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9MM LUGER +P *(continued)*

ACCURATE NITRO 100 NE *(continued)*

125	SIERRA	JHP	2.9	879	3.2	941	38,051	1.035
147	REM	GS	3.1	823	3.6	897	38,455	1.165
147	SPEER	TMJ-FN	2.8	774	3.1	825	38,127	1.130
147 (P)	RAIN	TRN	3.0	810	3.3	871	38,333	1.160
147 (L)	LC	FP	2.7	846	3.0	899	38,433	1.145

RAMSHOT COMPETITION

115	NOSLER	JHP	3.6	982	3.9	1,046	37,833	1.077
115 (P)	BERRY	RNDS	3.9	1,018	4.5	1,091	38,096	1.130
115 (P)	RAIN	RN	3.6	1,004	4.0	1,074	38,491	1.140
124	HDY	XTP	3.0	898	3.2	946	37,511	1.060
124	REM	GS	3.5	955	3.8	1,019	38,146	1.145
124	SPEER	GDHP	3.3	881	3.6	940	38,363	1.105
124 (P)	BERRY	RN	3.5	949	3.7	1,006	37,612	1.160
124 (P)	RAIN	RN	3.5	959	3.7	1,022	38,031	1.160
124 (L)	LC	RN	2.9	940	3.2	999	38,031	1.050
125	SIERRA	JHP	3.1	898	3.4	967	38,391	1.035
135	RMR	FP	3.9	911	4.4	981	37,672	1.100
147	REM	GS	3.4	860	3.8	918	38,400	1.165
147	SPEER	TMJ-FN	2.8	787	3.1	865	37,843	1.130
147 (P)	RAIN	TRN	3.0	809	3.4	871	38,442	1.160

RAMSHOT ZIP

90	HDY	XTP	5.1	1,274	5.4	1,343	38,187	1.070
95	BARNES	TAC-XP	4.7	1,177	5.0	1,255	38,045	1.160
115	SIERRA	FMJ	4.4	1,102	4.7	1,161	38,378	1.100
115 (P)	BERRY	RNDS	4.6	1,086	5.0	1,159	38,298	1.130
115 (P)	RAIN	RN	4.8	1,115	5.0	1,167	37,414	1.140
115 (L)	LC	RN	4.2	1,118	4.5	1,182	38,447	1.070
124	HDY	XTP	3.7	966	3.8	1,008	37,928	1.060
124	REM	GS	4.6	1,058	4.9	1,114	38,410	1.145
124	SPEER	GDHP	4.2	981	4.5	1,050	38,287	1.105
124 (P)	RAIN	HP	4.3	1,005	4.6	1,068	38,421	1.110
124 (P)	RAIN	RN	4.6	1,048	4.8	1,112	37,264	1.160
124 (L)	LC	RN	3.7	1,024	4.0	1,082	38,474	1.050
125	SIERRA	JHP	3.8	972	4.0	1,026	38,244	1.035
147	REM	GS	3.9	907	4.1	955	38,082	1.165
147	SPEER	TMJ-FN	3.5	849	3.7	904	38,337	1.130
147 (P)	RAIN	TRN	3.9	902	4.1	964	38,440	1.160
147 (L)	LC	FP	3.5	921	3.8	984	38,310	1.145

ACCURATE SOLO 1000

115 (P)	BERRY	RNDS	4.4	1,060	5.0	1,134	38,129	1.130
115 (P)	RAIN	RN	4.3	1,043	4.7	1,114	38,035	1.140
115 (L)	LC	RN	4.4	1,112	4.9	1,175	38,395	1.070
124	HDY	XTP	3.5	916	3.9	989	38,351	1.060
124 (P)	RAIN	RN	4.2	1,011	4.5	1,065	38,033	1.160
124 (L)	LC	RN	3.7	1,009	3.9	1,053	38,275	1.050
125	SIERRA	JHP	3.7	941	4.0	1,003	38,339	1.035
147	REM	GS	3.8	873	4.1	932	38,431	1.165
147 (P)	RAIN	TRN	3.7	875	4.1	937	38,343	1.160

ACCURATE NO.2

90	HDY	XTP	5.1	1,261	5.6	1,328	36,247	1.070
95	BARNES	TAC-XP	4.7	1,159	5.1	1,225	38,390	1.160
115	NOSLER	JHP	4.7	1,088	5.2	1,142	38,450	1.077
115	SIERRA	FMJ	4.6	1,086	5.1	1,151	38,257	1.100
115 (P)	BERRY	RNDS	4.7	1,105	5.1	1,151	38,292	1.130
115 (P)	RAIN	RN	4.6	1,082	5.1	1,167	38,237	1.140
115 (L)	LC	RN	4.4	1,114	4.8	1,162	38,446	1.070
124	HDY	XTP	3.6	937	4.0	1,005	38,497	1.060
124	REM	GS	4.7	1,051	5.1	1,108	38,089	1.145
124	SPEER	GDHP	4.3	981	4.7	1,062	38,330	1.105
124 (P)	BERRY	RN	4.4	1,026	4.8	1,114	37,988	1.160
124 (P)	RAIN	HP	4.2	1,004	4.8	1,074	38,313	1.110
124 (P)	RAIN	RN	4.6	1,055	4.8	1,106	37,130	1.160
124 (L)	LC	RN	3.8	1,011	4.1	1,055	38,221	1.050
125	SIERRA	JHP	4.0	962	4.3	1,026	38,449	1.035

147	REM	GS	4.0	888	4.3	939	38,203	1.165
147	SPEER	TMJ-FN	3.5	847	3.9	906	38,354	1.130
147 (P)	RAIN	TRN	3.8	901	4.2	958	38,369	1.160
147 (L)	LC	FP	3.6	910	3.9	962	38,203	1.145

RAMSHOT SILHOUETTE

65	LHG	XD	8.1	1,559	9.5	1,745	36,248	1.100
90	HDY	XTP	6.8	1,350	7.5	1,464	38,375	1.070
90	LHG	XD	6.4	1,234	7.1	1,351	36,521	1.125
115	NOSLER	JHP	5.7	1,142	6.2	1,209	38,416	1.077
115	SIERRA	FMJ	5.7	1,157	6.3	1,234	38,109	1.100
115 (P)	BERRY	RNDS	6.2	1,191	6.6	1,260	38,351	1.130
115 (P)	RAIN	RN	5.9	1,154	6.3	1,234	38,062	1.140
115 (L)	LC	RN	5.7	1,207	6.1	1,254	38,381	1.070
124	REM	GS	5.9	1,131	6.4	1,212	38,332	1.145
124	SPEER	GDHP	5.6	1,092	6.0	1,159	38,495	1.105
124 (P)	BERRY	RN	5.8	1,136	6.1	1,196	38,267	1.160
124 (P)	RAIN	HP	5.6	1,090	6.0	1,159	38,320	1.110
124 (P)	RAIN	RN	5.8	1,133	6.1	1,188	38,128	1.160
124 (L)	LC	RN	5.0	1,091	5.3	1,149	38,330	1.050
125	SIERRA	JHP	5.0	1,043	5.5	1,126	38,458	1.035
135	RMR	FP	5.2	1,018	5.5	1,070	37,468	1.100
147	REM	GS	5.2	1,003	5.5	1,057	37,998	1.165
147	SPEER	TMJ-FN	4.6	941	5.0	1,006	38,430	1.130
147 (P)	RAIN	TRN	4.9	977	5.3	1,043	38,434	1.160
147 (L)	LC	FP	4.6	981	4.9	1,038	38,344	1.145

RAMSHOT TRUE BLUE

115	RMR	FMJ	5.9	1,154	6.2	1,199	38,367	1.120
115	NOSLER	JHP	5.7	1,116	6.2	1,190	38,324	1.077
115	SIERRA	FMJ	5.9	1,148	6.2	1,197	38,373	1.100
115 (P)	BERRY	RNDS	6.0	1,157	6.4	1,217	38,483	1.130
115 (L)	LC	RN	5.6	1,157	6.0	1,223	38,404	1.070
124	RMR	JHP	5.6	1,091	5.9	1,141	38,427	1.120
124	REM	GS	6.2	1,139	6.5	1,203	37,228	1.145
124	SPEER	GDHP	5.7	1,068	6.1	1,141	38,362	1.105
124 (P)	RAIN	HP	5.7	1,080	6.1	1,150	38,263	1.110
124 (L)	LC	RN	5.0	1,059	5.3	1,122	38,469	1.050
125	SIERRA	JHP	5.0	1,006	5.3	1,061	38,345	1.035
147	REM	GS	5.2	972	5.5	1,016	38,033	1.165
147	SPEER	TMJ-FN	4.7	922	5.0	970	38,142	1.130
147 (P)	RAIN	TRN	5.1	974	5.4	1,042	38,142	1.160
147 (L)	LC	FP	4.7	972	5.0	1,028	38,111	1.145

ACCURATE NO.5

115	RMR	FMJ	6.2	1,129	6.6	1,186	38,442	1.120
115	NOSLER	JHP	6.3	1,137	6.7	1,201	38,378	1.077
115	SIERRA	FMJ	6.3	1,155	6.7	1,219	38,425	1.100
115 (P)	BERRY	RNDS	6.5	1,145	7.0	1,222	38,228	1.130
115 (L)	LC	RN	6.1	1,174	6.5	1,236	38,347	1.070
124	RMR	JHP	6.1	1,079	6.5	1,139	38,393	1.120
124	REM	GS	6.5	1,131	6.9	1,199	38,125	1.145
124	SPEER	GDHP	5.9	1,057	6.3	1,128	38,369	1.105
124 (P)	BERRY	RN	6.3	1,096	6.7	1,176	37,648	1.160
124 (P)	RAIN	HP	6.1	1,083	6.6	1,156	38,450	1.110
124 (P)	RAIN	RN	6.4	1,113	6.8	1,194	38,490	1.160
124 (L)	LC	RN	5.4	1,076	5.7	1,135	38,418	1.050
125	SIERRA	JHP	5.3	1,020	5.7	1,075	38,314	1.035
135	RMR	FP	5.6	969	5.9	1,020	37,581	1.100
147	REM	GS	5.5	973	5.8	1,023	38,153	1.165
147	SPEER	TMJ-FN	5.1	931	5.4	978	38,378	1.130
147 (P)	RAIN	TRN	5.5	973	5.8	1,024	38,332	1.160
147 (L)	LC	FP	5.1	981	5.4	1,033	38,268	1.145

ACCURATE NO.7

115	NOSLER	JHP	7.5	1,126	8.3	1,217	38,221	1.077
115	SIERRA	FMJ	7.8	1,166	8.5	1,242	38,438	1.100
115 (P)	BERRY	RNDS	8.2	1,189	8.7	1,253	38,321	1.130
115 (L)	LC	RN	7.5	1,174	8.3	1,258	38,054	1.070
124	REM	GS	7.9	1,149	8.3	1,206	38,006	1.145

(continued on next page)

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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9MM LUGER +P (continued)

ACCURATE NO. 7 (continued)

124	SPEER	GDHP	7.4	1,091	7.9	1,153	38,257	1.105
124 (P)	RAIN	HP	7.2	1,076	7.8	1,149	38,023	1.110
124 (P)	RAIN	RN	7.7	1,132	8.0	1,178	37,483	1.160
125	SIERRA	JHP	6.5	1,027	6.9	1,086	37,423	1.035
135	RMR	FP	6.6	1,008	7.0	1,071	37,629	1.100
147	REM	GS	6.7	982	7.1	1,039	38,467	1.165
147	SPEER	TMJ-FN	6.2	943	6.6	1,000	38,100	1.130
147 (P)	RAIN	TRN	6.6	987	7.0	1,041	38,337	1.160
147 (L)	LC	FP	6.3	991	6.7	1,049	38,384	1.145

38 SUPER +P

Barrel: 5" | Twist: 1-16" | Primer: WIN WSP | Bullet Diameter: 0.355"
Case: WIN | Max Case Length: 0.900" | Trim Length: 0.895"

RAMSHOT ZIP

90	SF	RHFP	5.5	1,310	6.1	1,455	35,930	1.260
100	SF	RHFP	5.0	1,207	5.6	1,341	36,430	1.260

ACCURATE NO. 2

90	SF	RHFP	6.1	1,305	6.8	1,450	35,870	1.260
100	SF	RHFP	5.6	1,204	6.2	1,338	36,110	1.260
147	LC	RNFP	4.6	1,026	5.4	1,112	36,217	1.270

RAMSHOT SILHOUETTE

90	SF	RHFP	7.7	1,441	8.5	1,601	36,390	1.260
100	SF	RHFP	6.9	1,333	7.7	1,481	35,820	1.260
115	SIERRA	FMJ	7.3	1,247	8.1	1,386	35,960	1.240
115 (L)	LC	RN	7.3	1,306	8.1	1,451	36,130	1.240
124	HDY	FMJ-CT	6.8	1,179	7.6	1,310	35,270	1.270
124 (L)	LC	RN	6.5	1,220	7.2	1,355	36,030	1.270
147	SPEER	TMJ FP	6.1	1,067	6.8	1,185	35,750	1.270
147 (L)	LC	RN	6.0	1,096	6.7	1,218	35,990	1.270

RAMSHOT TRUE BLUE

90	SF	RHFP	7.3	1,344	8.1	1,493	36,280	1.260
100	SF	RHFP	6.6	1,236	7.3	1,373	35,800	1.260
115	SIERRA	FMJ	7.2	1,193	8.0	1,326	35,720	1.240
115 (L)	LC	RN	7.2	1,259	8.0	1,399	35,100	1.240
124	HDY	FMJ-CT	6.9	1,148	7.7	1,275	36,070	1.270
124 (L)	LC	RN	6.7	1,193	7.4	1,326	35,060	1.270
147	SPEER	TMJ FP	6.3	1,043	7.0	1,159	35,690	1.270
147 (L)	LC	RN	6.0	1,063	6.7	1,181	35,410	1.270

ACCURATE NO. 5

90	SF	RHFP	7.7	1,379	8.5	1,532	36,140	1.260
100	SF	RHFP	7.2	1,287	8.0	1,430	36,000	1.260
115	SIERRA	FMJ	7.6	1,225	8.4	1,361	35,520	1.240
115 (L)	LC	RN	7.6	1,296	8.4	1,440	35,520	1.240
124	HDY	FMJ-CT	7.3	1,174	8.1	1,304	35,980	1.270
124 (L)	LC	RN	7.2	1,230	8.0	1,367	35,900	1.270
147	SPEER	TMJ FP	6.6	1,072	7.3	1,191	35,550	1.270
147 (L)	LC	RN	6.4	1,099	7.1	1,221	35,570	1.270

ACCURATE NO. 7

115	SIERRA	FMJ	9.7	1,324	10.8	1,471	36,300	1.240
115 (L)	LC	RN	9.9	1,367	11.0	1,519	35,710	1.240
124	HDY	FMJ-CT	9.0	1,249	10.0	1,388	35,920	1.270
124 (L)	LC	RN	9.1	1,283	10.1	1,425	36,230	1.270
147	SPEER	TMJ FP	8.1	1,114	9.0	1,238	35,800	1.270
147 (L)	LC	RN	8.3	1,170	9.2	1,300	36,110	1.270

357 SIG

Barrel: 4" | Twist: 1-16" | Primer: WIN WSP | Bullet Diameter: 0.355"
Case: WIN | Max Case Length: 0.865" | Trim Length: 0.860"

RAMSHOT ZIP

115	NOSLER	JHP	6.1	1,189	6.8	1,321	38,890	1.140
125	SIERRA	JHP	5.8	1,098	6.4	1,220	37,180	1.140
147	HDY	XTP	4.7	950	5.2	1,056	38,320	1.140

ACCURATE NO. 2

115	NOSLER	JHP	5.7	1,122	6.4	1,276	38,600	1.140
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Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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115 (L)	LC	RN	5.6	1,099	6.2	1,249	38,200	1.140
124 (L)	MCB	FN	5.2	1,070	5.8	1,217	38,100	1.140
125	SIERRA	FMJ	5.4	1,066	6.0	1,212	38,900	1.140
147	HDY	XTP	4.7	933	5.3	1,061	39,800	1.140
147 (L)	MCB	RNBB	4.2	923	4.7	1,049	36,800	1.140

RAMSHOT SILHOUETTE

115	NOSLER	JHP	8.4	1,343	8.8	1,389	35,380	1.140
125	SIERRA	JHP	7.9	1,261	8.3	1,320	36,760	1.140
125	BARNES	XPB	5.8	1,053	6.4	1,170	39,337	1.140
147	HDY	XTP	6.5	1,082	6.9	1,128	35,500	1.140

RAMSHOT TRUE BLUE

115	NOSLER	JHP	8.2	1,217	9.1	1,352	35,370	1.140
125	SIERRA	JHP	7.9	1,164	8.8	1,293	36,850	1.140
125	BARNES	XPB	5.9	1,020	6.6	1,133	39,457	1.140
147	HDY	XTP	6.8	1,022	7.6	1,135	36,720	1.140

ACCURATE NO. 5

115	NOSLER	JHP	8.4	1,191	9.4	1,354	37,900	1.140
115 (L)	LC	RN	8.1	1,160	9.0	1,319	38,500	1.140
124 (L)	LC	FP	7.9	1,144	8.8	1,300	37,100	1.140
125	SIERRA	FMJ	8.3	1,166	9.2	1,325	39,600	1.140
125	BARNES	XPB	6.6	1,069	7.3	1,188	41,097	1.140
147	HDY	XTP	7.1	1,019	7.9	1,159	38,400	1.140
147 (L)	LC	FP	6.7	1,029	7.5	1,170	36,900	1.140

ACCURATE NO. 7

115	SIERRA	JHP	10.2	1,218	11.3	1,385	39,100	1.140
115 (L)	LC	RN	9.9	1,182	11.0	1,344	37,800	1.140
124	HDY	FMJ FP	10.0	1,161	11.0	1,320	37,100	1.140
124 (L)	LC	RN	9.6	1,162	10.7	1,321	37,900	1.140
147	HDY	XTP	8.3	1,020	9.2	1,160	38,600	1.140
147 (L)	LC	RN	8.6	1,071	9.6	1,218	40,000	1.140

ACCURATE NO. 9

115	NOSLER	JHP	12.1	1,261	13.5	1,434	36,900	1.140
115 (L)	LC	RN	12.1	1,258	13.5	1,430	39,000	1.140
124 (L)	MCB	RNBB	11.7	1,217	13.0	1,383	36,100	1.140
125	SIERRA	FMJ	11.7	1,220	13.0	1,387	39,100	1.140
147	HDY	XTP	9.4	1,018	10.5	1,158	34,400	1.140
147 (L)	LC	RN	9.4	1,029	10.5	1,170	33,000	1.140

38 SPECIAL

Barrel: 7.75" | Twist: 1-18.75" | Primer: WIN WSP | Bullet Diameter: 0.357"
Case: STAR | Max Case Length: 1.155" | Trim Length: 1.145"

ACCURATE NITRO 100 NF

110	SIERRA	JHC	3.3	909	3.6	978	16,758	1.435
125 (P)	RAIN	HP	3.2	791	3.5	868	16,901	1.440
140 (L)	LC	FP	2.7	829	3.0	884	16,987	1.435
158 (L)	LC	SWC	2.4	737	2.7	789	16,250	1.460

RAMSHOT COMPETITION

110	HDY	XTP	3.6	949	4.0	1,054	16,400	1.450
125	SIERRA	JHC	3.5	878	3.9	975	16,410	1.447
125 (L)	LC	FN	3.2	903	3.6	1,003	16,790	1.440
140	HDY	XTP	3.2	748	3.5	831	16,650	1.438
140 (L)	LC	FN	3.1	850	3.4	944	16,830	1.445
148 (L)	LC	WCDBB	2.3	727	2.5	808	16,430	1.231
158	HDY	XTP	2.9	665	3.2	739	16,740	1.434

RAMSHOT ZIP

110	HDY	XTP	5.0	1,013	5.5	1,125	16,800	1.435
125	SIERRA	JHC	4.8	988	5.3	1,098	16,640	1.447
125 (P)	RAIN	HP	4.4	895	4.9	997	16,761	1.440
125 (L)	LC	FN	4.4	1,001	4.9	1,112	16,770	1.440
125	SF	RHFP	4.0	642	4.4	713	16,095	1.500
140	HDY	XTP	4.1	840	4.5	933	16,550	1.438
140 (L)	LC	FN	4.1	945	4.5	1,050	16,640	1.445
148 (L)	LC	WCDBB	3.2	835	3.6	928	16,500	1.231
158	HDY	XTP	3.7	756	4.1	840	16,360	1.434
158 (L)	LC	SWC	3.8	870	4.2	967	16,390	1.477

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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38 SPECIAL *(continued)*

ACCURATE SOLO 1000

110	SIERRA	JHC	4.3	1,013	4.8	1,083	16,990	1.435
125 (P)	RAIN	HP	4.0	879	4.4	955	16,963	1.440
148 (L)	LC	WCDBB	2.8	796	3.1	851	16,840	1.231
158 (L)	LC	SWC	3.2	813	3.6	871	16,838	1.460

ACCURATE NO. 2

110	SIERRA	JHC	4.4	1,023	4.9	1,102	16,633	1.435
125	BARNES	TAC-XP	3.6	709	4.0	814	16,905	1.455
125	HDY	HP/XTP	4.3	933	4.8	1,017	16,903	1.445
125	REM	GS	4.5	967	5.0	1,051	16,931	1.530
125 (P)	RAIN	HP	4.2	933	4.7	1,005	16,613	1.440
125	SF	RHFP	3.4	552	3.8	613	16,155	1.500
140	HDY	HP/XTP	3.9	802	4.3	897	16,246	1.445
140	SIERRA	JHP	4.2	781	4.7	888	16,700	1.445
140 (L)	LC	FP	3.8	903	4.2	979	16,793	1.435
148 (L)	LC	WCDBB	2.6	634	2.9	720	15,500	1.152
150	NOSLER	JHP	4.2	751	4.7	853	17,000	1.450
158	HDY	XTP	3.6	665	4.0	756	16,500	1.445
158	NOSLER	HP	3.6	718	4.0	806	16,471	1.430
158 (P)	BERRY	FP	3.6	709	4.0	800	16,341	1.430
158 (L)	MCB	SWC	3.6	764	4.0	868	14,100	1.481

RAMSHOT SILHOUETTE

110	HDY	XTP	6.3	1,159	6.9	1,267	16,160	1.450
110	SIERRA	JHC	6.1	1,122	6.7	1,221	16,944	1.435
125	HDY	HP/XTP	5.8	1,039	6.2	1,109	16,845	1.445
125	REM	GS	6.0	1,070	6.5	1,137	16,531	1.530
125	SIERRA	JHC	6.2	1,105	6.7	1,192	16,620	1.447
125 (P)	RAIN	HP	6.1	1,066	6.5	1,137	16,661	1.440
125 (L)	LC	FN	5.7	1,066	6.2	1,157	16,150	1.440
125	SF	RHFP	5.2	816	5.7	894	16,085	1.500
140	HDY	HP/XTP	5.3	937	5.6	1,003	16,506	1.445
140 (L)	LC	FP	5.2	1,004	5.6	1,068	16,645	1.435
148 (L)	LC	WCDBB	4.5	925	4.9	1,006	16,940	1.231
158	HDY	XTP	5.2	902	5.6	969	16,410	1.434
158	NOSLER	HP	4.8	841	5.2	913	16,610	1.430
158 (P)	BERRY	FP	4.8	817	5.3	891	16,658	1.430
158 (L)	LC	SWC	5.2	972	5.6	1,046	16,720	1.477

RAMSHOT TRUE BLUE

110	HDY	XTP	5.9	1,066	6.6	1,184	16,330	1.450
110	SIERRA	JHC	6.0	1,099	6.7	1,187	16,932	1.435
125	SIERRA	JHC	5.7	990	6.3	1,100	16,320	1.447
125	BARNES	TAC-XP	4.7	775	5.3	883	16,868	1.455
125	HDY	HP/XTP	5.6	995	6.2	1,081	16,925	1.445
125	REM	GS	5.7	1,018	6.4	1,107	16,659	1.530
125 (P)	RAIN	HP	5.9	1,009	6.6	1,108	16,908	1.440
125 (L)	LC	FN	5.6	999	6.2	1,110	16,450	1.440
125	SF	RHFP	5.0	743	5.5	826	16,925	1.500
140	HDY	HP/XTP	5.1	886	5.6	974	16,812	1.445
140 (L)	LC	FP	4.9	949	5.4	1,028	16,424	1.435
148 (L)	LC	WCDBB	4.2	849	4.7	943	16,590	1.231
158	HDY	XTP	4.8	813	5.3	903	16,610	1.434
158	NOSLER	HP	4.6	797	5.1	879	16,827	1.430
158 (P)	BERRY	FP	4.6	754	5.2	837	16,867	1.430
158 (L)	LC	SWC	5.0	912	5.6	1,013	16,460	1.477

ACCURATE NO. 5

110	SIERRA	JHC	6.4	1,075	7.1	1,181	16,586	1.435
125	BARNES	TAC-XP	5.2	791	5.8	907	16,884	1.455
125	HDY	HP/XTP	6.1	981	6.8	1,081	16,708	1.445
125	REM	GS	6.4	1,051	7.1	1,134	16,811	1.530
125	SIERRA	JHC	6.1	966	6.8	1,055	16,975	1.447
125 (P)	RAIN	HP	6.4	1,007	7.2	1,112	16,776	1.440
125	SF	RHFP	5.4	785	6.0	872	16,925	1.500
140	HDY	HP/XTP	5.5	889	6.2	976	16,581	1.445

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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140	SIERRA	JHP	5.8	757	6.4	860	16,700	1.445
140 (L)	LC	FP	5.6	960	6.2	1,049	16,849	1.435
148 (L)	LC	WCDBB	3.6	710	4.0	807	16,200	1.152
150	NOSLER	JHP	5.9	715	6.5	813	16,600	1.450
158	HDY	XTP	5.2	740	5.8	841	16,500	1.445
158	NOSLER	HP	5.0	795	5.6	882	16,591	1.430
158 (P)	BERRY	FP	5.2	807	5.8	897	16,820	1.430
158 (P)	RAIN	RN	5.1	829	5.7	943	16,900	1.430
158 (L)	MCB	SWC	5.3	827	5.9	940	16,100	1.481

38 SPECIAL +P

Barrel: 7.75" | Twist: 1-18.75" | Primer: WIN WSP | Bullet Diameter: 0.357"
Case: REM | Max Case Length: 1.155" | Trim Length: 1.145"

ACCURATE NITRO 100 NF

110	SIERRA	JHC	3.6	976	4.0	1,053	19,961	1.435
125 (P)	RAIN	HP	3.5	868	3.9	954	19,985	1.440
140 (L)	LC	FP	3.0	875	3.4	948	19,958	1.435
148 (L)	LC	WCDBB	2.5	812	2.7	856	19,961	1.231
158 (P)	BERRY	FP	2.9	605	3.3	712	19,957	1.430
158 (L)	LC	SWC	2.7	781	3.0	851	19,289	1.460

RAMSHOT ZIP

110	BARNES	XPB	4.4	917	4.9	1,019	18,145	1.515
125 (P)	RAIN	HP	4.9	1,007	5.5	1,121	19,958	1.440
158 (P)	BERRY	FP	3.9	743	4.3	849	19,857	1.430

ACCURATE SOLO 1000

110	SIERRA	JHC	4.8	1,091	5.2	1,153	19,957	1.435
125 (P)	RAIN	HP	4.4	950	5.0	1,054	19,989	1.440
148 (L)	LC	WCDBB	3.1	840	3.5	914	19,947	1.231
158 (P)	BERRY	FP	3.7	722	4.0	796	19,753	1.430
158 (L)	LC	SWC	3.6	870	4.0	941	19,961	1.460

ACCURATE NO. 2

110	SIERRA	JHC	4.9	1,112	5.3	1,183	19,963	1.435
110	BARNES	XPB	4.1	905	4.6	1,005	18,065	1.515
125	HDY	HP/XTP	4.8	1,024	5.3	1,098	19,947	1.445
125	REM	GS	5.0	1,047	5.4	1,119	19,786	1.530
125	BARNES	TAC-XP	4.0	804	4.3	907	19,972	1.455
125 (P)	RAIN	HP	4.7	1,002	5.1	1,074	19,823	1.440
140	HDY	HP/XTP	4.3	886	4.7	979	19,569	1.445
140 (L)	LC	FP	4.2	971	4.7	1,055	19,987	1.435
158	NOSLER	HP	4.0	810	4.3	889	19,879	1.430
158 (P)	BERRY	FP	4.0	790	4.4	880	19,862	1.430

RAMSHOT SILHOUETTE

110	SIERRA	JHC	6.7	1,233	7.1	1,304	19,816	1.435
110	BARNES	XPB	5.7	1,049	6.3	1,165	18,275	1.515
125	HDY	HP/XTP	6.2	1,102	6.7	1,188	19,989	1.445
125	REM	GS	6.5	1,142	7.1	1,226	19,837	1.530
125 (P)	RAIN	HP	6.5	1,137	7.1	1,232	19,964	1.440
140	HDY	HP/XTP	5.6	992	6.2	1,095	19,981	1.445
140 (L)	LC	FP	5.6	1,070	6.1	1,150	19,834	1.435
148 (P)	BERRY	DEWC	4.2	784	4.6	883	19,934	1.140
158	NOSLER	HP	5.2	913	5.6	1,002	19,854	1.430
158 (P)	BERRY	FP	5.3	892	5.8	985	19,894	1.430

RAMSHOT TRUE BLUE

110	SIERRA	JHC	6.7	1,192	7.4	1,279	19,786	1.435
110	BARNES	XPB	5.6	973	6.2	1,081	18,075	1.515
125	HDY	HP/XTP	6.2	1,078	6.9	1,174	19,958	1.445
125	REM	GS	6.4	1,111	7.0	1,199	19,954	1.530
125	BARNES	TAC-XP	5.3	886	5.7	982	19,896	1.455
125 (P)	RAIN	HP	6.6	1,113	7.2	1,200	19,824	1.440
140	HDY	HP/XTP	5.6	972	6.3	1,071	19,948	1.445
140 (L)	LC	FP	5.4	1,028	6.0	1,116	19,867	1.435
148 (P)	BERRY	DEWC	4.0	712	4.4	818	19,947	1.140
158	NOSLER	HP	5.1	886	5.7	978	19,956	1.430
158 (P)	BERRY	FP	5.2	846	5.7	920	19,894	1.430
230 (L)	PENN	T-HEAD	3.5	645	4.0	723	19,921	1.505

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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38 SPECIAL +P *(continued)*

ACCURATE NO. 5

110	SIERRA	JHC	7.1	1,172	7.9	1,302	19,964	1.435
110	BARNES	XPB	5.9	1,026	6.6	1,140	17,905	1.515
125	HDY	HP/XTP	6.8	1,074	7.5	1,184	19,836	1.445
125	REM	GS	7.1	1,137	7.8	1,219	19,968	1.530
125	BARNES	TAC-XP	5.8	899	6.3	1,014	19,989	1.455
125 (P)	RAIN	HP	7.2	1,113	7.8	1,204	19,278	1.440
125	SF	RHFP	5.7	852	6.3	947	18,295	1.500
140	HDY	HP/XTP	6.2	974	6.8	1,071	19,932	1.445
140 (L)	LC	FP	6.2	1,050	6.8	1,128	19,953	1.435
148 (P)	BERRY	DEWC	4.5	717	5.0	843	19,926	1.140
158	NOSLER	HP	5.6	886	6.2	983	19,931	1.430
158 (P)	BERRY	FP	5.8	891	6.4	980	19,921	1.430
230 (L)	BADMAN	B-PIN	4.0	672	4.4	740	19,987	1.460

ACCURATE NO. 7

110	BARNES	XPB	7.3	1,049	8.1	1,165	18,135	1.515
230 (L)	BADMAN	B-PIN	4.7	702	5.2	767	19,987	1.460

ACCURATE NO. 9

230 (L)	PENN	T-HEAD	6.2	782	6.7	855	19,961	1.505
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357 MAGNUM

Barrel: 6" | Twist: 1-18.75" | Primer: WIN WSPM | Bullet Diameter: 0.357"
Case: WIN | Max Case Length: 1.290" | Trim Length: 1.280"

RAMSHOT ZIP

110	HDY	XTP	7.7	1,373	8.6	1,525	32,080	1.578
125	SIERRA	JHP	7.1	1,276	7.9	1,418	30,680	1.578
125 (P)	RAIN	HP	6.2	1,097	7.3	1,263	34,785	1.560
125 (L)	LC	FP	6.0	1,142	7.0	1,294	34,968	1.575
158	NOSLER	JHP	6.0	1,105	6.7	1,228	31,680	1.580
158 (P)	RAIN	FP	5.5	905	6.5	1,057	34,766	1.580
158 (L)	MCB	RNBB	6.3	1,176	7.0	1,307	30,560	1.590
180 (L)	CP	WFNGC	5.6	1,042	6.2	1,158	32,670	1.565
187 (L)	CP	FNGC	4.8	827	5.6	945	34,252	1.600

ACCURATE SOLO 1000

125 (P)	RAIN	HP	6.3	1,077	7.4	1,213	34,187	1.560
125 (L)	LC	FP	5.9	1,112	7.0	1,236	34,982	1.575
158 (P)	RAIN	FP	5.6	897	6.5	1,013	34,967	1.580
187 (L)	CP	FNGC	4.6	791	5.4	886	34,458	1.600

ACCURATE NO. 2

110	HDY	XTP	7.2	1,227	8.4	1,374	34,854	1.570
125	HDY	XTP	6.8	1,096	8.0	1,248	34,854	1.575
125 (P)	RAIN	HP	6.7	1,125	7.9	1,270	34,303	1.560
125 (L)	LC	FP	6.4	1,178	7.6	1,307	34,966	1.575
140	BARNES	XPB	5.4	803	6.3	914	34,761	1.590
140	HDY	XTP	6.2	992	7.3	1,126	34,728	1.575
158	SIERRA	JSP	5.9	889	6.9	1,015	34,813	1.575
158 (P)	RAIN	FP	5.9	912	7.0	1,029	34,951	1.580
187 (L)	CP	FNGC	5.2	855	6.1	963	34,989	1.600
200 (L)	CP	WLNGC	4.6	781	5.4	884	34,943	1.620

RAMSHOT TRUE BLUE

110	HDY	XTP	11.3	1,475	12.5	1,639	33,160	1.570
125	HDY	XTP	10.4	1,325	11.5	1,472	30,750	1.580
125	BARNES	XPB	7.0	1,109	7.8	1,232	33,500	1.585
125 (L)	LC	FP	7.7	1,246	9.1	1,414	34,872	1.575
140	SIERRA	JHC	9.3	1,250	10.3	1,389	33,580	1.575
158	HDY	XTP	8.6	1,132	9.5	1,258	34,700	1.590
158 (L)	LC	SWC	8.8	1,176	9.8	1,307	32,210	1.590
180 (L)	CP	WFNGC	7.6	1,046	8.4	1,162	33,000	1.550
187 (L)	CP	FNGC	6.3	929	7.4	1,063	34,387	1.600

ACCURATE NO. 5

110	SIERRA	JHC	9.9	1,355	11.0	1,540	32,448	1.575
125	HDY	XTP	9.6	1,273	10.6	1,446	33,384	1.575
125	BARNES	XPB	7.5	1,166	8.3	1,295	34,000	1.585
125 (P)	BERRY	FP	8.4	1,238	9.9	1,393	34,750	1.560

140	SIERRA	JHP	9.1	1,202	10.1	1,366	33,696	1.575
140	BARNES	XPB	6.9	1,032	7.7	1,147	33,600	1.590
158	HDY	XTP	8.6	1,097	9.7	1,256	33,150	1.590
158 (L)	LC	SWC	8.0	1,100	9.0	1,220	34,500	1.590
187 (L)	CP	FNGC	6.8	922	8.0	1,064	34,818	1.600

ACCURATE NO. 7

110	SIERRA	JHC	11.6	1,362	12.9	1,548	32,526	1.575
125	HDY	XTP	10.9	1,278	12.1	1,453	33,306	1.575
125	BARNES	XPB	9.0	1,220	10.0	1,355	34,000	1.585
140	SIERRA	JHP	10.1	1,178	11.2	1,339	34,008	1.575
140	BARNES	XPB	8.6	1,060	9.5	1,178	34,500	1.590
147 (L)	MCB	FPBB	9.5	1,085	10.5	1,234	34,320	1.580
158	NOSLER	JHP	9.5	1,196	10.5	1,360	34,242	1.580
158 (L)	LC	SWC	9.1	1,041	10.1	1,183	33,228	1.580
170	SIERRA	FMJ	8.7	1,010	9.7	1,147	34,788	1.565
180	SIERRA	FPJ	8.2	980	9.2	1,100	34,500	1.590
180 (L)	CP	WFNGC	8.3	938	9.2	1,067	33,852	1.575
187 (L)	CP	FNGC	7.4	935	8.7	1,091	34,932	1.600

ACCURATE NO. 9

110	HDY	XTP	15.3	1,478	16.9	1,677	34,086	1.575
125	NOSLER	JHP	14.1	1,378	15.6	1,567	34,998	1.575
125	BARNES	XPB	12.6	1,399	14.0	1,554	33,300	1.585
140	SIERRA	JHP	12.8	1,252	14.2	1,422	33,618	1.575
140	BARNES	XPB	11.3	1,204	12.5	1,338	33,700	1.590
147 (L)	MCB	FPBB	11.9	1,151	13.2	1,308	32,838	1.580
158	HDY	XTP	12.4	1,202	13.8	1,367	35,022	1.580
158 (L)	LC	SWC	11.2	1,104	12.4	1,255	32,214	1.580
170	SIERRA	FMJ	11.2	1,092	12.4	1,241	35,100	1.565
180	HDY	XTP	10.8	1,059	12.0	1,202	33,540	1.575
180 (L)	CP	WFNGC	10.4	1,008	11.6	1,145	31,356	1.575
187 (L)	CP	FNGC	9.5	1,047	11.1	1,195	34,966	1.600

ACCURATE TCM

140	BARNES	XPB	11.5	1,075	13.5	1,294	34,768	1.590
140	SIERRA	JHC	11.5	1,216	13.6	1,446	33,869	1.580
158	SPEER	JHP	10.3	982	12.1	1,232	33,846	1.580
170	SIERRA	FMJ	10.2	992	12.0	1,201	33,386	1.580
200 (L)	CP	WLNGC	9.3	997	10.9	1,158	33,919	1.610

ACCURATE 4100

125	HDY	XTP	16.1	1,485	17.9	1,650	32,081	1.580
125	BARNES	XPB	14.7	1,372	16.4	1,525	33,983	1.585
140	SIERRA	JHC	14.3	1,298	15.9	1,442	33,687	1.580
140	BARNES	XPB	13.0	1,199	14.4	1,333	33,490	1.590
158	HDY	XTP	12.5	1,176	13.9	1,307	33,490	1.590
187 (L)	CP	FNGC	11.7	1,074	13.8	1,222	34,952	1.600

RAMSHOT ENFORCER

125	HDY	XTP	16.2	1,500	18.0	1,667	32,570	1.580
125	BARNES	XPB	14.9	1,575	16.5	1,750	34,500	1.585
140	SIERRA	JHC	14.4	1,311	16.0	1,457	34,200	1.580
140	BARNES	XPB	13.1	1,377	14.5	1,530	34,000	1.590
158	HDY	XTP	12.5	1,206	14.0	1,320	34,000	1.590
170	SPEER	GDHP	12.2	1,150	13.5	1,258	34,500	1.590
187 (L)	CP	FNGC	11.7	1,074	13.8	1,222	34,952	1.600

ACCURATE NO. 11 FS

158	SPEER	JHP	14.2	1,183	16.7	1,407	34,382	1.580
170	SIERRA	FMJ	13.7	1,134	16.1	1,364	33,869	1.580
200 (L)	CP	WLNGC	12.0	1,092	14.1	1,272	34,528	1.610

357 MAXIMUM

Barrel: 12.5" | Twist: 1-18.75" | Primer: CCI 450 | Bullet Diameter: 0.357"
Case: REM | Max Case Length: 1.605" | Trim Length: 1.595"

ACCURATE 4100

158	HDY	XTP	14.5	1,531	17.7	1,751	39,900	1.895
170	SIERRA	FMJ	14.4	1,516	16.6	1,667	39,888	1.884
180	NOSLER	PART	13.6	1,390	15.7	1,571	39,525	1.875
180	SIERRA	FPJ	13.4	1,398	15.5	1,572	39,500	1.872
180 (L)	LC	FP	14.0	1,514	16.3	1,680	39,700	1.900
200 (L)	CP	WLNGC	12.9	1,408	15.2	1,574	39,882	1.930

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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357 MAXIMUM *(continued)*

RAMSHOT ENFORCER

158	HDY	XTP	14.5	1,531	17.7	1,751	39,900	1.895
170	SIERRA	FMJ	14.4	1,516	16.6	1,667	39,888	1.884
180	NOSLER	PART	13.6	1,390	15.7	1,571	39,525	1.875
180	SIERRA	FPJ	13.4	1,398	15.5	1,572	39,500	1.872
180 (L)	LC	FP	14.0	1,514	16.3	1,680	39,700	1.900
200 (L)	CP	WLNGC	12.9	1,408	15.2	1,574	39,882	1.930

ACCURATE 5744

158	HDY	XTP	19.0	1,544	21.1	1,732	40,000	1.895
170	SIERRA	FMJ	18.1	1,484	20.1	1,648	39,850	1.884
180	NOSLER	PART	16.9	1,349	18.7	1,535	39,525	1.875
180	SIERRA	FPJ	17.2	1,396	19.1	1,563	39,700	1.872
180 (L)	LC	FP	17.8	1,496	19.8	1,657	39,700	1.900
200 (L)	CP	WLNGC	16.5	1,393	18.3	1,554	39,775	1.930

ACCURATE 1680

158	HDY	XTP	24.5	1,724	27.3	1,912	36,300	1.895
170	SIERRA	FMJ	22.2	1,594	24.6	1,768	34,200	1.884
180	NOSLER	PART	20.2	1,470	22.4	1,647	37,000	1.875
180	SIERRA	FPJ	21.5	1,540	23.9	1,701	37,452	1.872
180 (L)	LC	FP	22.2	1,635	24.7	1,817	35,000	1.900
200 (L)	CP	WLNGC	20.9	1,542	23.2	1,708	35,000	1.930

357 MAXIMUM-T/C

Barrel: 12.5" | Twist: 1-18.75" | Primer: CCI 450 | Bullet Diameter: 0.357"
Case: REM | Max Case Length: 1.605" | Trim Length: 1.595"

ACCURATE 5744

180	HDY	XTP	20.0	1,517	22.2	1,704	39,775	2.025
180	HDY	SSP	22.2	1,638	24.7	1,824	39,825	2.350
200	HDY	FTX	21.1	1,532	23.5	1,707	39,565	2.500

ACCURATE 1680

180	HDY	XTP	25.5	1,724	28.3	1,884	39,500	2.025
180	HDY	SSP	27.0	1,692	30.0	1,850	27,470	2.350
200	HDY	FTX	27.0	1,670	30.0	1,837	35,810	2.500

40 S&W

Barrel: 4" | Twist: 1-16" | Primer: WIN WSP | Bullet Diameter: 0.400"
Case: WIN | Max Case Length: 0.850" | Trim Length: 0.845"

ACCURATE NITRO 100 NF

135 (P)	RAIN	HP	4.3	1,017	5.0	1,121	34,800	1.105
155 (P)	BERRY	HBRN	3.6	875	4.2	960	33,654	1.115
165 (P)	RAIN	HP	3.4	837	4.0	923	34,516	1.115
180 (P)	BERRY	HP	3.0	754	3.5	834	34,777	1.115
180 (P)	RAIN	RNFP	3.0	743	3.5	822	34,215	1.120

RAMSHOT COMPETITION

135 (P)	RAIN	HP	4.2	1,015	5.0	1,109	34,272	1.105
140 (L)	LC	TCBB	4.1	1,039	4.9	1,119	34,117	1.105
155 (P)	BERRY	HBRN	3.8	884	4.5	969	34,309	1.115
155 (P)	BERRY	RS	4.0	923	4.7	1,015	34,991	1.115
155 (P)	RAIN	FP	4.0	914	4.7	1,008	33,433	1.115
155 (L)	LC	RNSWC	3.6	941	4.2	1,015	34,219	1.126
165 (P)	BERRY	FP	3.5	869	4.2	943	34,598	1.123
165 (P)	RAIN	HP	3.6	844	4.2	943	34,645	1.115
170 (L)	LC	SWC	3.1	839	3.6	917	34,665	1.136
180 (L)	LC	TC	2.8	766	3.3	849	31,048	1.130
180 (P)	BERRY	FP	3.2	791	3.7	863	34,663	1.115
180 (P)	BERRY	HP	2.9	736	3.4	816	31,515	1.115
180 (P)	BERRY	RS	3.4	807	4.0	890	34,917	1.115
180 (P)	RAIN	HP	2.9	723	3.4	795	31,142	1.115
180 (P)	RAIN	RNFP	3.0	727	3.6	818	32,199	1.120
180 (L)	LC	TC	2.8	766	3.3	849	31,048	1.130
185 (L)	LC	RNSWC	2.9	770	3.5	861	31,387	1.174
200 (L)	LC	TC	2.5	711	3.0	776	34,709	1.135

RAMSHOT ZIP

135 (P)	RAIN	HP	5.3	1,045	6.3	1,204	34,387	1.105
140 (L)	LC	TCBB	5.8	1,113	6.4	1,237	33,830	1.120

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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155	HDY	XTP	5.4	1,008	6.0	1,120	32,500	1.130
155 (L)	LC	RNSWC	5.1	1,005	5.7	1,117	31,720	1.120
165	SIERRA	JHP	5.1	925	5.7	1,028	29,070	1.124
165 (P)	RAIN	HP	4.3	901	5.1	1,016	34,674	1.115
170 (L)	LC	SWC	4.0	873	4.4	970	34,450	1.135
180	HDY	XTP	4.1	845	4.5	921	34,995	1.126
180 (P)	RAIN	RNFP	3.9	818	4.6	925	34,299	1.120
180 (L)	LC	TC	3.7	842	4.1	935	34,070	1.120

ACCURATE SOLO 1000

135 (P)	RAIN	HP	5.2	1,072	6.1	1,184	34,750	1.105
165 (P)	RAIN	HP	4.4	917	5.1	1,009	34,812	1.115
180 (P)	RAIN	RNFP	3.8	830	4.5	907	34,822	1.120

ACCURATE NO. 2

105	SF	RHFP	5.6	1,136	6.2	1,262	34,300	1.120
125	SF	RHFP	4.6	949	5.1	1,054	34,740	1.120
135	NOSLER	JHP	6.8	1,097	7.6	1,247	34,700	1.125
135 (P)	RAIN	FP	5.7	1,106	6.7	1,204	34,658	1.115
140 (L)	LC	TCBB	5.9	1,016	6.6	1,155	33,400	1.115
150	NOSLER	JHP	5.9	988	6.6	1,098	34,860	1.135
155	HDY	XTP	5.9	966	6.5	1,073	34,350	1.135
155 (P)	BERRY	HBRN	5.0	953	5.9	1,112	34,987	1.125
155 (P)	BERRY	RS	5.6	968	6.2	1,100	35,000	1.125
155 (L)	LC	RNSWC	5.7	982	6.3	1,116	34,100	1.130
165	SIERRA	JHP	4.5	897	5.3	996	34,926	1.125
165 (P)	RAIN	RNFP	4.6	915	5.4	1,014	34,798	1.125
175 (L)	MCB	SWCBB	4.8	858	5.3	975	34,200	1.115
180	HDY	XTP	4.8	828	5.3	920	34,450	1.135
180	REM	GS	4.4	827	5.2	927	34,285	1.175
180 (P)	BERRY	HP	4.0	823	4.8	920	34,565	1.125
180 (P)	RAIN	HP	4.3	794	4.8	903	33,400	1.125
185 (L)	LC	RNSWC	4.6	829	5.1	942	33,000	1.174

RAMSHOT SILHOUETTE

105	SF	RHFP	8.3	1,306	9.2	1,451	34,210	1.120
115	LHG	XD	7.0	1,161	8.3	1,297	34,729	1.126
125	SF	RHFP	6.2	1,040	6.9	1,156	32,680	1.120
135 (P)	RAIN	FP	7.4	1,139	8.7	1,309	34,862	1.115
140	BARNES	XPB	5.5	918	6.5	1,080	34,970	1.135
140 (L)	LC	TCBB	7.3	1,132	8.1	1,258	33,270	1.135
150	SIERRA	JHP	7.0	1,110	7.5	1,190	32,800	1.135
155	HDY	XTP	6.9	1,100	7.4	1,170	33,500	1.135
155	BARNES	XPB	4.4	774	4.9	860	30,100	1.135
155 (P)	BERRY	HBRN	6.4	1,008	7.6	1,175	34,750	1.125
155 (L)	LC	RNSWC	6.5	1,036	7.2	1,151	34,140	1.135
165	SIERRA	JHP	5.9	942	6.9	1,101	34,861	1.125
165 (P)	RAIN	RNFP	6.1	978	7.2	1,118	34,500	1.125
170	WIN	FMJ	6.2	1,020	6.7	1,085	33,500	1.135
170 (L)	LC	SWC	5.5	932	6.1	1,035	34,180	1.135
180	SIERRA	JHP	5.5	920	6.2	1,020	33,200	1.135
180 (P)	BERRY	HP	5.4	885	6.3	1,032	34,795	1.125
180 (L)	LC	TC	5.3	895	5.9	994	34,120	1.120
200	HDY	XTP	4.8	800	5.6	920	32,600	1.135

RAMSHOT TRUE BLUE

105	SF	RHFP	7.4	1,168	8.2	1,298	33,060	1.120
115	LHG	XD	6.2	975	7.3	1,147	34,816	1.126
125	SF	RHFP	5.8	970	6.4	1,078	33,080	1.120
135	NOSLER	JHP	8.3	1,149	9.2	1,277	32,200	1.120
135 (P)	RAIN	FP	7.2	1,087	8.4	1,250	34,989	1.115
140	BARNES	XPB	5.2	872	5.8	969	32,000	1.135
140 (L)	LC	TCBB	7.7	1,125	8.5	1,250	33,400	1.130
150	NOSLER	JHP	7.3	1,052	8.1	1,169	32,500	1.125
155	BARNES	XPB	4.2	730	4.7	811	32,500	1.135
155 (P)	BERRY	HBRN	6.4	979	7.5	1,153	34,953	1.125
155 (L)	LC	RNSWC	6.5	963	7.2	1,070	33,500	1.095
165	SIERRA	JHP	5.8	891	6.8	1,033	34,821	1.125
165 (P)	RAIN	RNFP	5.9	924	6.9	1,056	34,650	1.125
170 (L)	LC	SWC	5.9	878	6.6	975	32,500	1.130

(continued on next page)

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
40 S&W (continued)								
RAMSHOT TRUE BLUE (continued)								
180	NOSLER	JHP	6.3	935	7.0	1,039	32,390	1.135
180	SPEER	GDHP	4.8	794	5.7	927	34,752	1.120
180 (P)	BERRY	HP	5.2	844	6.1	967	34,823	1.125
180 (L)	LC	TC	5.1	853	5.7	948	34,050	1.120
200	HDY	XTP	5.4	802	6.0	891	32,210	1.135

ACCURATE NO. 5

105	SF	RHFP	8.1	1,201	9.0	1,334	33,170	1.120
115	LHG	XD	6.8	998	8.0	1,164	34,582	1.126
125	SF	RHFP	6.5	1,013	7.2	1,125	34,320	1.120
135	SIERRA	JHP	8.4	1,114	9.3	1,266	34,900	1.125
135 (P)	RAIN	FP	8.1	1,102	9.5	1,270	34,856	1.115
140	BARNES	XPB	5.7	873	6.3	970	32,500	1.135
140 (L)	LC	TC BB	7.2	1,038	8.0	1,179	34,900	1.115
150	NOSLER	JHP	7.5	1,030	8.3	1,170	35,000	1.120
155	HDY	XTP	7.2	1,010	8.0	1,128	34,800	1.125
155	BARNES	XPB	4.6	736	5.1	818	31,960	1.135
155 (P)	BERRY	HBRN	7.0	975	8.2	1,139	34,996	1.125
155 (P)	RAIN	FP	6.9	963	7.7	1,095	32,100	1.125
155 (L)	LC	RNSWC	6.8	1,019	7.5	1,158	35,000	1.130
165	SIERRA	JHP	6.2	886	7.3	1,049	34,358	1.125
165 (P)	RAIN	RNFP	6.5	912	7.6	1,066	34,978	1.125
170 (L)	LC	SWC	5.5	868	6.1	986	35,000	1.115
180	HDY	XTP	5.9	849	6.6	965	32,500	1.135
180 (P)	BERRY	HP	5.7	828	6.7	960	34,764	1.125
180 (L)	LC	TC	5.4	858	6.0	975	35,000	1.120
190	SIERRA	FPJ	6.0	828	6.7	950	35,000	1.125

ACCURATE NO. 7

135	NOSLER	JHP	10.1	1,089	11.2	1,237	33,900	1.125
135 (P)	RAIN	FP	9.4	1,148	11.1	1,293	34,186	1.115
140 (L)	LC	TC BB	9.0	1,030	10.0	1,171	33,700	1.115
150	NOSLER	JHP	9.2	1,000	10.2	1,136	34,300	1.120
155	HDY	XTP	9.0	995	10.0	1,124	34,500	1.125
155 (P)	BERRY	HBRN	8.2	1,005	9.6	1,161	34,550	1.125
155 (P)	RAIN	FP	9.3	998	10.3	1,135	34,300	1.125
155 (L)	MCB	SWC	8.7	1,008	9.7	1,146	34,600	1.130
165	SIERRA	JHP	7.5	940	8.8	1,086	34,589	1.125
165 (P)	RAIN	RNFP	7.9	965	9.3	1,107	34,268	1.125
175 (L)	MCB	SWC	7.6	892	8.4	1,014	35,000	1.115
180	HDY	XTP	7.7	861	8.5	978	34,600	1.135
180	SIERRA	JHP	7.2	870	8.5	1,023	33,758	1.135
180 (P)	BERRY	HP	6.8	865	8.0	1,001	34,843	1.125
185 (L)	LC	RNSWC	7.4	871	8.2	990	35,000	1.174
190	SIERRA	FPJ	7.7	848	8.6	964	34,300	1.125
200	HDY	XTP	6.7	748	7.4	850	35,000	1.130
200 (L)	LC	TC	6.1	777	6.8	883	34,800	1.110

10MM AUTO

Barrel: 5" | Twist: 1-16" | Primer: WIN WLP | Bullet Diameter: 0.400"
Case: WIN | Max Case Length: 0.992" | Trim Length: 0.987"

RAMSHOT SILHOUETTE

125	SF	RHFP	7.8	1,261	9.2	1,416	36,794	1.240
135	NOSLER	JHP	9.9	1,440	11.0	1,575	35,900	1.260
150	SIERRA	JHP	8.7	1,290	9.8	1,395	35,500	1.260
155	HDY	XTP	8.8	1,255	9.7	1,355	35,400	1.260
170	WIN	JHP	7.9	1,165	9.1	1,285	34,600	1.260
170 (L)	LC	SWC	7.4	1,175	8.2	1,220	34,100	1.260
180	SIERRA	JHP	7.5	1,110	8.4	1,210	34,400	1.260
190	SIERRA	FPJ	7.4	1,100	8.3	1,185	34,700	1.260
200	HDY	XTP	6.9	1,025	7.8	1,115	35,700	1.260
200 (L)	LC	TC	5.8	980	6.7	1,000	34,250	1.260

ACCURATE NO. 5

135	SIERRA	JHP	10.3	1,323	11.4	1,503	36,900	1.250
140 (L)	LC	TC BB	8.7	1,190	9.7	1,352	33,400	1.250
150	NOSLER	JHP	9.5	1,229	10.6	1,397	36,900	1.245
155	HDY	XTP	9.0	1,174	10.0	1,334	35,300	1.250

155 (P)	RAIN	FP	8.9	1,151	9.9	1,309	34,300	1.260
165	SIERRA	JHP	8.7	1,122	9.7	1,275	36,200	1.250
170 (L)	LC	SWC	7.8	1,085	8.7	1,233	31,800	1.250
175 (L)	MCB	SWCBB	7.5	1,026	8.3	1,166	31,500	1.245
180	HDY	XTP	7.8	1,053	8.7	1,197	36,800	1.250

ACCURATE NO. 7

135	NOSLER	JHP	12.2	1,299	13.6	1,476	34,900	1.250
140 (L)	LC	TC BB	10.8	1,203	12.0	1,367	33,700	1.250
150	SIERRA	JHP	11.7	1,236	13.0	1,405	36,400	1.245
155	HDY	XTP	11.4	1,214	12.7	1,379	37,500	1.250
165	SIERRA	JHP	10.8	1,148	12.0	1,305	37,500	1.250
170 (L)	LC	SWC	9.9	1,120	11.0	1,273	35,500	1.250
175 (L)	MCB	SWCBB	9.4	1,055	10.4	1,199	35,200	1.245
180	HDY	XTP	9.6	1,041	10.7	1,183	35,300	1.250
180 (P)	RAIN	HP	9.9	1,051	11.0	1,195	36,200	1.260
185 (L)	LC	RNSWC	9.2	1,030	10.2	1,173	34,500	1.245
190	SIERRA	FPJ	10.1	1,054	11.2	1,198	36,000	1.250
195 (L)	MCB	TC	8.6	998	9.5	1,134	35,400	1.245
200	HDY	XTP	8.8	960	9.8	1,091	36,500	1.250

ACCURATE NO. 9

155	HDY	XTP	14.3	1,244	15.9	1,414	32,700	1.250
165	SIERRA	JHP	13.5	1,180	15.0	1,341	34,100	1.250
170 (L)	LC	SWC	12.2	1,131	13.6	1,285	34,900	1.245
180	HDY	XTP	12.2	1,093	13.5	1,242	34,100	1.250
180 (P)	RAIN	HP	12.1	1,086	13.5	1,235	35,500	1.260
185 (L)	LC	RNSWC	11.7	1,098	13.0	1,248	34,700	1.245
200	HDY	XTP	11.3	1,030	12.5	1,170	37,000	1.250
200 (L)	LC	TC	10.6	1,018	11.8	1,157	36,200	1.250

41 REMINGTON MAGNUM

Barrel: 10" | Twist: 1-18.75" | Primer: FED 155 | Bullet Diameter: 0.410"
Case: REM | Max Case Length: 1.290" | Trim Length: 1.280"

RAMSHOT TRUE BLUE

170	SIERRA	JHC	10.0	1,150	12.5	1,390	34,200	1.580
210	HDY	XTP	9.0	1,050	11.0	1,200	32,000	1.580

ACCURATE NO. 5

170	SIERRA	JHC	10.2	1,248	11.3	1,418	33,352	1.565
200 (L)	MCB	SWCBB	10.6	1,201	11.8	1,364	32,296	1.675
210	HDY	XTP	9.8	1,105	10.8	1,256	34,496	1.570
215 (L)	LC	SWC	10.4	1,175	11.5	1,325	33,500	1.600
220 (P)	RAIN	FP	9.7	1,129	10.8	1,283	35,112	1.590
240 (L)	LYMAN	#410426	10.2	1,134	11.3	1,289	35,112	1.710

ACCURATE NO. 7

170	SIERRA	JHC	13.2	1,300	14.6	1,477	32,560	1.565
180	BARNES	XPB	11.4	1,260	12.7	1,400	35,260	1.590
200 (L)	MCB	SWCBB	12.3	1,206	13.6	1,370	32,472	1.675
210	HDY	XTP	12.0	1,153	13.3	1,310	34,672	1.570
215 (L)	LC	SWC	12.2	1,156	13.5	1,335	33,475	1.600
220 (P)	RAIN	FP	12.1	1,174	13.4	1,335	33,704	1.590
240 (L)	LYMAN	#410426	11.8	1,137	13.2	1,292	33,264	1.710

ACCURATE NO. 9

170	SIERRA	JHC	16.6	1,425	18.5	1,620	34,056	1.565
180	BARNES	XPB	15.8	1,369	17.6	1,521	35,680	1.590
200 (L)	MCB	SWCBB	15.2	1,322	16.9	1,503	33,968	1.675
210	HDY	XTP	15.2	1,271	16.9	1,445	35,200	1.570
215 (L)	LC	SWC	14.4	1,265	16.0	1,422	33,475	1.600
220 (P)	RAIN	FP	14.7	1,240	16.3	1,409	34,144	1.590
240 (L)	LYMAN	#410426	14.0	1,235	15.6	1,375	34,450	1.710
245	LHG	WFN	11.9	975	14.0	1,168	34,528	1.600
265 (L)	CP	WFNGC	13.5	1,218	15.0	1,354	34,760	1.710

ACCURATE TCM

170	SIERRA	JHC	17.8	1,594	20.9	1,838	34,286	1.586
210	NOSLER	JHP	15.0	1,346	17.6	1,545	33,862	1.590
215 (L)	LC	SWC	15.5	1,435	18.3	1,633	34,582	1.600
250 (L)	CP	WFNPB	13.8	1,273	16.3	1,451	34,582	1.674
255 (L)	CP	WFNGC	13.9	1,270	16.4	1,443	34,857	1.662

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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41 REMINGTON MAGNUM *(continued)*

ACCURATE 4100

170	SIERRA	JHC	22.4	1,755	25.0	1,908	34,450	1.586
180	BARNES	XPB	18.4	1,515	20.5	1,690	33,860	1.590
210	NOSLER	JHP	18.9	1,477	21.1	1,641	35,263	1.581
215 (L)	LC	SWC	19.0	1,450	21.1	1,601	35,500	1.600
240 (L)	LYMAN	#410426	18.6	1,395	20.7	1,575	35,000	1.710
245	LHG	WFN	13.0	961	15.3	1,166	34,127	1.600
250 (L)	CP	WFNPB	18.1	1,365	20.2	1,517	34,130	1.674
255 (L)	CP	WFNGC	17.8	1,353	19.8	1,503	35,421	1.662
265 (L)	CP	WFNGC	17.1	1,306	19.0	1,451	34,810	1.710

RAMSHOT ENFORCER

170	SIERRA	JHC	22.5	1,760	25.0	1,910	34,500	1.586
180	BARNES	XPB	18.5	1,520	20.5	1,689	33,840	1.590
210	NOSLER	JHP	19.1	1,492	21.2	1,658	35,800	1.581
215 (L)	LC	SWC	19.0	1,450	21.1	1,601	35,500	1.600
240 (L)	LYMAN	410426	18.6	1,395	20.7	1,575	35,000	1.710
245	LHG	WFN	13.0	961	15.3	1,166	34,127	1.600
250 (L)	CP	WFNPB	18.3	1,379	20.3	1,532	34,650	1.674
255 (L)	CP	WFNGC	17.9	1,366	19.9	1,518	35,960	1.662
265 (L)	TS	WNFPGC	17.2	1,319	19.1	1,466	35,340	1.466

ACCURATE NO. 11 FS

210	NOSLER	JHP	18.8	1,398	22.1	1,659	34,169	1.590
215 (L)	LC	SWC	18.2	1,411	21.4	1,643	30,284	1.600
250 (L)	CP	WFNPB	17.6	1,330	20.7	1,539	34,923	1.674
255 (L)	CP	WFNGC	17.7	1,321	20.8	1,535	34,967	1.662
265 (L)	TS	WNFPGC	16.6	1,275	19.5	1,473	34,864	1.720

ACCURATE 5744

210	NOSLER	JHP	20.7	1,321	23.0	1,468	35,440	1.581
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44 SPECIAL

Barrel: 8.150" | Twist: 1-20" | Primer: REM 2 1/2 | Bullet Diameter: 0.429"
Case: REM | Max Case Length: 1.160" | Trim Length: 1.150"

RAMSHOT ZIP

180	SIERRA	JHC	5.8	850	6.8	970	14,200	1.480
200	NOSLER	JHP	5.0	760	6.0	870	13,500	1.470
240	HDY	XTP	4.0	640	5.0	760	13,000	1.480

ACCURATE NO. 2

180	HDY	JHP	5.3	802	5.9	911	13,890	1.485
200	NOSLER	JHP	4.9	708	5.4	805	13,900	1.490
200	BARNES	XPB	5.2	796	5.8	884	15,430	1.610
200 (L)	MCB	RN FP	5.1	875	5.6	950	14,000	1.500
220 (L)	MCB	RN FP	4.8	790	5.3	900	13,980	1.535
240	SIERRA	JHC	4.1	532	4.5	604	13,900	1.485
240 (L)	LC	RN FP	4.2	721	4.7	819	13,975	1.480

RAMSHOT SILHOUETTE

200	BARNES	XPB	7.2	863	8.0	959	14,990	1.610
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RAMSHOT TRUE BLUE

180	SIERRA	JHC	8.0	900	9.4	1,040	14,400	1.480
200	NOSLER	JHP	7.0	800	8.3	930	14,100	1.470
200	BARNES	XPB	6.9	824	7.7	916	14,960	1.610
240	HDY	HP XTP	6.0	710	7.0	815	13,700	1.480

ACCURATE NO. 5

180	HDY	JHP	7.8	878	8.7	1,000	14,000	1.485
200	NOSLER	JHP	7.2	766	8.0	871	13,000	1.490
200	BARNES	XPB	7.7	854	8.5	949	15,080	1.610
220 (L)	MCB	RN FP	7.0	844	7.8	959	14,000	1.535
240	SIERRA	JHC	5.8	640	6.5	730	14,000	1.485
240 (L)	LC	RN FP	6.1	757	6.8	860	14,000	1.480

44 REMINGTON MAGNUM

Barrel: 8.275" | Twist: 1-20" | Primer: WIN WLP | Bullet Diameter: 0.429"
Case: REM | Max Case Length: 1.285" | Trim Length: 1.275"

RAMSHOT TRUE BLUE

180	SIERRA	JHC	14.9	1,476	16.5	1,640	33,800	1.590
200	HDY	XTP	14.0	1,368	15.5	1,520	34,500	1.595

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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240	NOSLER	JSP	11.9	1,188	13.2	1,320	34,200	1.595
240 (L)	LC	SWC	11.5	1,152	12.8	1,259	35,764	1.610
255 (L)	CP	WFNPB	11.1	1,100	12.3	1,222	35,200	1.605
275 (L)	CP	WFNPB	10.8	1,076	12.0	1,195	33,200	1.635
300 (L)	LC	TC	10.1	1,031	11.2	1,145	32,470	1.590
320 (L)	CP	WNGC	9.7	972	10.8	1,080	32,500	1.695

ACCURATE NO. 7

180	SIERRA	JHC	17.2	1,382	19.1	1,570	34,800	1.560
200	NOSLER	JHP	15.6	1,245	17.4	1,415	32,625	1.595
200 (L)	LC	RN FP	15.3	1,229	17.0	1,397	34,800	1.560
240	HDY	XTP	14.5	1,145	16.1	1,302	34,800	1.560
240 (P)	RAIN	FP (P)	14.0	1,163	15.6	1,322	32,451	1.575
240 (L)	MCB	SWC	14.7	1,180	16.3	1,341	34,539	1.560
250	NOSLER	PART	14.2	1,076	15.8	1,224	32,799	1.600
270	SPEER	GDHP	14.0	1,025	15.5	1,200	35,850	1.585
300	SIERRA	JSP	13.6	988	15.1	1,123	34,800	1.735
300	HDY	XTP	12.2	963	13.5	1,095	33,060	1.595

ACCURATE NO. 9

180	HDY	XTP	21.6	1,455	24.0	1,675	33,750	1.600
200	NOSLER	JHP	20.9	1,357	23.3	1,542	32,886	1.595
200	BARNES	XPB	18.9	1,382	21.0	1,535	35,522	1.591
220	LHG	XP	16.1	1,237	19.0	1,439	35,247	1.600
220 (L)	MCB	RN FP	19.7	1,340	21.9	1,523	34,800	1.560
225	BARNES	XPB	16.2	1,184	18.0	1,315	35,562	1.604
240	HDY	XTP	18.5	1,256	20.5	1,425	34,500	1.600
240	SIERRA	JHC	17.8	1,214	19.8	1,380	34,800	1.560
240 (P)	RAIN	FP	16.7	1,220	18.6	1,386	34,800	1.575
240 (L)	LC	SWC	18.1	1,255	20.2	1,426	34,452	1.560
250	SIERRA	FPJ	17.6	1,173	19.5	1,333	34,104	1.600
270	SPEER	GDHP	15.8	1,203	17.5	1,305	35,950	1.585
275 (L)	CP	WFNPB	15.9	1,106	17.7	1,242	34,800	1.695
300	SIERRA	JSP	15.9	1,018	17.7	1,156	34,800	1.735
300	HDY	XTP	14.8	1,031	16.5	1,172	33,338	1.595
320 (L)	CP	WFNGC	14.6	1,070	16.3	1,216	34,626	1.665

ACCURATE 4100

180	SIERRA	JHC	24.3	1,683	26.8	1,851	32,022	1.581
200	BARNES	XPB	20.1	1,414	22.3	1,571	32,221	1.604
200 (L)	MCB	RN FP	22.6	1,500	24.9	1,650	25,649	1.565
220 (L)	BSC	RNFP	22.5	1,519	26.5	1,771	34,793	1.577
220	LHG	XP	18.2	1,252	21.4	1,472	34,741	1.600
225	BARNES	XPB	17.9	1,262	19.9	1,402	35,192	1.604
240	HDY	XTP	20.3	1,303	22.5	1,472	35,772	1.600
240 (L)	BSC	RNFP	19.8	1,382	23.3	1,591	34,861	1.577
240	NOSLER	JSP	19.8	1,368	21.8	1,505	35,066	1.590
240 (L)	LC	SWC	19.3	1,287	21.4	1,407	35,156	1.610
255 (L)	CP	WFNGC	18.5	1,285	20.5	1,414	25,718	1.610
270	SPEER	GDHP	18.5	1,265	20.5	1,374	35,860	1.585
300	HDY	XTP	16.2	1,170	17.9	1,287	34,968	1.580
300 (L)	CP	WFNGC	16.7	1,225	18.4	1,347	32,259	1.590
320 (L)	CP	WLNGC	16.4	1,179	18.1	1,297	31,796	1.695

RAMSHOT ENFORCER

180	SIERRA	JHC	24.3	1,683	27.0	1,870	32,510	1.581
200	HDY	XTP	22.5	1,550	25.0	1,740	34,500	1.595
200	BARNES	XPB	20.3	1,428	22.5	1,587	32,712	1.591
200 (L)	MCB	RN FP	22.6	1,500	25.1	1,667	26,040	1.565
220 (L)	BSC	RNFP	22.6	1,527	26.6	1,781	35,229	1.577
220	LHG	XP	18.3	1,260	21.6	1,482	35,284	1.600
225	BARNES	XPB	18.0	1,274	20.0	1,416	35,728	1.604
240 (L)	BSC	RNFP	19.9	1,392	23.5	1,604	35,619	1.577
240	NOSLER	JSP	19.8	1,368	22.0	1,520	35,600	1.590
240 (L)	LC	SWC	19.3	1,287	21.4	1,407	35,156	1.610
255 (L)	CP	WFNGC	18.5	1,285	20.6	1,428	26,110	1.610
270	SPEER	GDHP	17.1	1,265	19.0	1,395	35,500	1.585
300	HDY	XTP	16.2	1,170	18.0	1,300	35,500	1.580
300 (L)	CP	WFNGC	16.7	1,225	18.5	1,361	32,750	1.590
320 (L)	CP	WLNGC	16.4	1,179	18.2	1,310	32,280	1.695

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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44 REMINGTON MAGNUM *(continued)*

180	HDY	XTP	25.4	1,632	29.9	1,909	34,869	1.600
200	BARNES	XPB	18.6	1,351	21.8	1,593	35,286	1.600
200	NOSLER	HP	23.2	1,479	27.3	1,777	34,967	1.595
220	LHG	XP	19.3	1,255	22.7	1,502	34,794	1.600
225	BARNES	XPB	16.4	1,207	19.2	1,411	34,997	1.600
240	SIERRA	JHC	19.2	1,321	22.6	1,554	35,728	1.590
265	HDY	FP	18.7	1,263	21.9	1,475	34,659	1.625
275 (L)	CP	WFNPB	19.4	1,284	22.8	1,502	35,329	1.650
300 (L)	LC	TC	15.4	1,125	18.1	1,306	35,419	1.605
320 (L)	CP	WLNGC	17.1	1,170	20.2	1,349	35,948	1.695

ACCURATE 5744

240	HDY	XTP	21.6	1,243	24.0	1,413	35,000	1.580
240 (L)	LC	SWC	21.6	1,272	24.0	1,446	34,500	1.560
270	SPEER	GDHP	18.9	1,218	21.0	1,370	34,892	1.585
300	HDY	XTP	18.0	1,048	20.0	1,191	31,400	1.595
320 (L)	CP	WFNGC	16.2	952	18.0	1,082	27,800	1.665

45 GAP

Barrel: 5" | Twist: 1-16" | Primer: WIN WSP | Bullet diameter: 0.451
Case: WIN | Max Case Length: 0.760" | Trim Length: 0.755"

RAMSHOT ZIP

155 (L)	LC	SWC	5.1	994	5.7	1,104	22,950	1.085
160	BARNES	XPB	4.0	810	4.4	900	19,720	1.100
180 (L)	LC	SWC	4.3	826	4.8	918	18,440	1.100
185	SIERRA	JHP	5.0	875	5.5	972	21,840	1.063
200	HDY	XTP	4.5	802	5.0	891	21,130	1.070

ACCURATE NO. 2

155 (L)	LC	SWC	5.0	954	5.5	1,060	21,440	1.085
160	BARNES	XPB	4.1	822	4.6	913	20,900	1.100
180 (L)	LC	SWC	4.1	811	4.6	901	18,560	1.100
185	SIERRA	JHP	4.6	812	5.1	902	21,650	1.063
200	HDY	XTP	4.3	779	4.8	866	21,170	1.070

RAMSHOT SILHOUETTE

155 (L)	LC	SWC	6.8	1,004	7.5	1,116	20,210	1.085
160	BARNES	XPB	5.6	874	6.2	971	20,160	1.100
180 (L)	LC	SWC	6.2	910	6.9	1,011	20,810	1.100
185	SIERRA	JHP	6.8	920	7.5	1,022	20,940	1.063
200	HDY	XTP	6.2	862	6.9	958	21,290	1.070

RAMSHOT TRUE BLUE

155 (L)	LC	SWC	6.6	985	7.3	1,094	22,810	1.085
160	BARNES	XPB	5.2	820	5.8	911	20,760	1.100
180 (L)	LC	SWC	5.7	840	6.3	933	20,100	1.100
185	SIERRA	JHP	6.3	860	7.0	956	21,270	1.063
200	HDY	XTP	5.9	806	6.5	895	21,650	1.070

ACCURATE NO. 5

155 (L)	LC	SWC	7.0	979	7.8	1,088	21,010	1.085
160	BARNES	XPB	5.7	839	6.3	932	20,970	1.100
180 (L)	LC	SWC	6.3	855	7.0	950	19,910	1.100
185	SIERRA	JHP	6.9	886	7.7	984	20,930	1.063
200	HDY	XTP	6.4	833	7.1	925	22,200	1.070

ACCURATE NO. 7

160	BARNES	XPB	7.4	860	8.2	956	21,110	1.100
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45 AUTO (ACP)

Barrel: 5" | Twist: 1-16" | Primer: FED 150 | Bullet Diameter: 0.451"
Case: REM | Max Case Length: 0.898" | Trim Length: 0.893"

ACCURATE NITRO 100 NF

185	REM	GS	4.2	845	4.9	940	20,772	1.225
185 (P)	BERRY	SWC	3.9	861	4.6	937	20,196	1.198
185 (P)	BERRY	FP	4.3	891	5.0	978	20,714	1.197
185 (P)	BERRY	HBRN	4.5	877	5.3	977	20,647	1.270
200 (P)	BERRY	HP	3.8	790	4.5	893	20,914	1.205
200 (P)	BERRY	FP	3.9	813	4.5	901	20,569	1.205
200 (P)	BERRY	SWC	3.7	828	4.4	895	20,419	1.205

200 (P)	RAIN	FP	3.8	815	4.4	899	20,664	1.245
230	HDY	XTP	3.3	664	3.8	741	20,698	1.210
230 (P)	BERRY	RN	3.7	753	4.4	829	20,905	1.237
230 (P)	RAIN	HP	3.5	610	4.1	728	20,211	1.237
230 (L)	LC	RN	3.6	770	4.0	823	20,912	1.230

RAMSHOT COMPETITION

155 (L)	LC	SWC	4.5	950	5.0	1,056	19,200	1.232
180 (L)	LC	SWC	4.2	861	4.7	957	19,610	1.267
185	HDY	XTP	4.6	847	5.1	941	20,530	1.230
185	NOSLER	JHP	4.3	845	5.1	954	20,945	1.200
185	REM	GS	4.4	882	5.1	967	20,418	1.225
185 (P)	BERRY	SWC	4.2	848	4.9	952	20,425	1.198
185 (P)	BERRY	FP	4.4	866	5.2	980	20,418	1.197
185 (P)	BERRY	HBRN	4.6	872	5.4	977	20,708	1.270
200	HDY	FMJ CT	4.0	774	4.4	860	20,600	1.230
200	SIERRA	FPJ	4.0	782	4.7	881	20,728	1.155
200 (P)	BERRY	HP	4.0	810	4.7	902	20,487	1.205
200 (P)	BERRY	FP	4.2	813	4.9	915	20,932	1.205
200 (P)	BERRY	SWC	4.0	838	4.7	919	20,970	1.205
200 (P)	RAIN	FP	4.0	807	4.7	905	20,489	1.245
200 (P)	RAIN	RN	4.5	796	5.3	927	20,367	1.269
200 (L)	LC	SWC	3.9	806	4.3	896	20,040	1.267
230	HDY	XTP	3.3	672	3.9	746	20,741	1.210
230	REM	GS	3.6	716	4.2	792	20,840	1.225
230	SIERRA	FMJ	3.8	691	4.5	793	20,657	1.270
230 (P)	RAIN	HP	3.7	642	4.4	747	20,654	1.237
230 (L)	LC	SWC	3.6	725	4.0	805	19,230	1.267

RAMSHOT ZIP

140	SF	RHFP	6.2	1,022	6.9	1,136	20,110	1.210
155	SF	RHFP	5.2	901	5.8	1,001	19,030	1.210
155 (L)	LC	SWC	6.5	1,060	7.2	1,178	20,940	1.232
180 (L)	LC	SWC	6.0	957	6.7	1,063	20,510	1.267
185	HDY	XTP	6.6	946	7.3	1,051	19,590	1.230
185	REM	GS	6.2	948	7.3	1,078	20,637	1.225
185	BARNES	TAC-XP	4.8	803	5.3	892	20,035	1.235
185 (P)	BERRY	SWC	5.8	884	6.8	1,041	20,148	1.198
185 (P)	BERRY	FP	6.0	929	7.1	1,066	20,186	1.197
185 (P)	BERRY	HBRN	6.5	944	7.6	1,087	20,269	1.270
200	HDY	FMJ CT	5.8	879	6.4	977	20,650	1.230
200 (P)	BERRY	HP	5.7	863	6.7	1,012	20,555	1.205
200 (P)	BERRY	FP	6.0	904	7.1	1,039	20,765	1.205
200 (P)	BERRY	SWC	5.5	908	6.5	1,013	20,711	1.205
200 (P)	RAIN	FP	5.5	863	6.5	1,010	20,633	1.245
200 (P)	RAIN	RN	6.0	911	7.1	1,036	20,779	1.269
200 (L)	LC	SWC	5.6	897	6.2	997	20,290	1.267
230	HDY	XTP	4.5	703	5.3	816	20,718	1.210
230	REM	GS	4.8	773	5.7	873	20,456	1.225
230	SIERRA	FMJ	5.6	814	6.2	904	20,680	1.250
230 (P)	BERRY	RN	5.1	778	6.0	899	20,547	1.237
230 (P)	RAIN	HP	5.0	748	5.9	862	20,483	1.237
230 (L)	LC	SWC	5.2	824	5.8	915	20,318	1.267

ACCURATE SOLO 1000

155 (L)	LC	SWC	5.9	1,029	6.5	1,170	19,100	1.240
170 (L)	MCB	SWC	5.3	931	5.9	1,059	17,800	1.130
185	REM	GS	5.2	883	6.1	1,008	20,596	1.225
185	SIERRA	JHP	5.5	862	6.1	980	19,400	1.210
185 (P)	BERRY	SWC	5.0	863	5.9	998	20,650	1.198
185 (P)	BERRY	FP	5.1	917	6.0	1,021	20,841	1.197
185 (P)	BERRY	HBRN	5.5	903	6.5	1,021	20,852	1.270
200	HDY	XTP	5.2	804	5.8	914	18,800	1.225
200 (P)	BERRY	HP	4.8	811	5.6	947	20,747	1.205
200 (P)	BERRY	FP	4.8	830	5.7	943	20,327	1.205
200 (P)	BERRY	SWC	4.8	824	5.6	950	20,047	1.205
200 (P)	RAIN	FP	4.8	868	5.7	960	20,498	1.245
200 (P)	RAIN	RN	5.3	863	6.2	974	20,687	1.269
200 (L)	LC	SWC	4.8	838	5.3	952	18,300	1.190

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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45 AUTO (ACP) *(continued)*

ACCURATE SOLO 1000 *(continued)*

230	HDY	XTP	4.0	695	4.7	789	20,585	1.210
230	NOSLER	FMJ	4.9	746	5.5	848	18,900	1.250
230	REM	GS	4.3	753	5.0	831	20,365	1.225
230 (P)	BERRY	RN	4.4	760	5.1	846	20,655	1.237
230 (P)	RAIN	HP	4.3	705	5.1	802	20,224	1.237
230 (L)	LC	RN	4.6	790	5.1	898	18,300	1.230

ACCURATE NO. 2

140	SF	RHFP	5.2	978	5.8	1,087	20,480	1.210
155	SF	RHFP	4.6	882	5.1	980	20,420	1.210
155 (L)	LC	SWC	5.8	1,004	6.8	1,138	20,600	1.225
160	BARNES	TAC-XP	4.7	923	5.5	1,016	20,741	1.256
170 (L)	MCB	SWC	5.9	950	6.5	1,079	19,400	1.130
185	NOSLER	JHP	5.7	948	6.7	1,106	20,750	1.210
185	BARNES	TAC-XP	4.5	770	5.0	856	20,265	1.235
185	REM	GS	5.5	871	6.4	1,018	20,875	1.225
185 (P)	BERRY	SWC	5.4	913	6.4	1,022	20,712	1.195
185 (P)	BERRY	FP	5.4	892	6.3	1,014	20,867	1.195
185 (P)	BERRY	HBRN	6.0	880	7.0	1,014	20,219	1.270
185 (P)	RAIN	HP	5.6	885	6.6	1,011	20,575	1.220
185 (L)	MCB	SWC	5.6	895	6.2	1,000	18,500	1.210
200	HDY	XTP	5.1	855	5.8	970	19,900	1.225
200 (P)	BERRY	HP	5.3	846	6.3	962	20,642	1.205
200 (P)	BERRY	FP	5.4	844	6.3	958	20,213	1.205
200 (P)	BERRY	SWC	5.1	845	6.0	958	20,692	1.212
200 (P)	RAIN	FP	5.0	821	5.9	932	20,074	1.245
200 (L)	LC	SWC	5.2	826	5.8	939	17,400	1.190
230	HDY	XTP	4.3	697	5.1	799	20,958	1.210
230	REM	GS	4.5	742	5.3	853	20,473	1.225
230	SIERRA	FMJ	4.6	769	5.4	881	20,800	1.250
230 (P)	BERRY	RN	4.6	730	5.4	842	20,412	1.237
230 (P)	RAIN	HP	4.6	721	5.4	831	20,745	1.237
230 (L)	LC	RN	5.0	766	5.6	870	17,200	1.230
250 (P)	BERRY	FP	3.9	645	4.6	749	20,194	1.200
250 (P)	RAIN	FP	4.1	680	4.8	780	20,606	1.200

RAMSHOT SILHOUETTE

120	LHG	XP	9.8	1,181	10.9	1,351	20,946	1.232
140	SF	RHFP	8.0	1,060	8.9	1,178	19,390	1.210
155	SF	RHFP	7.1	990	7.9	1,100	20,740	1.210
155 (L)	LC	SWC	7.5	1,058	8.9	1,230	20,742	1.225
160	BARNES	TAC-XP	6.7	961	7.9	1,125	20,443	1.256
170	LHG	CF	7.0	919	7.7	1,040	20,682	1.235
180 (L)	LC	SWC	8.0	991	8.9	1,101	18,250	1.267
185	HDY	XTP	8.9	1,037	9.9	1,152	20,900	1.230
185	REM	GS	7.6	972	8.9	1,118	20,746	1.225
185	BARNES	TAC-XP	6.2	870	7.3	1,017	20,366	1.256
185 (P)	BERRY	SWC	7.5	949	8.9	1,116	20,841	1.195
185 (P)	BERRY	FP	7.7	930	9.1	1,095	20,590	1.195
185 (P)	BERRY	HBRN	8.3	929	9.7	1,123	20,689	1.270
185 (P)	RAIN	HP	7.8	926	9.1	1,092	20,662	1.220
200	LHG	XP	6.5	789	7.2	900	20,697	1.235
200	HDY	FMJ CT	7.6	937	8.4	1,041	20,230	1.230
200 (P)	BERRY	HP	7.2	885	8.5	1,034	20,315	1.205
200 (P)	BERRY	FP	7.4	878	8.7	1,034	20,305	1.205
200 (P)	BERRY	SWC	6.9	886	8.2	1,032	20,197	1.212
200 (P)	RAIN	FP	7.0	906	8.2	1,039	20,589	1.245
200 (P)	RAIN	RN	7.5	895	8.8	1,046	20,607	1.269
200 (L)	LC	SWC	7.6	964	8.4	1,071	20,349	1.267
230	HDY	XTP	6.2	785	7.3	916	20,867	1.210
230	REM	GS	6.5	838	7.6	966	20,532	1.225
230	SIERRA	FMJ	7.3	868	8.1	964	19,740	1.250
230 (P)	BERRY	RN	6.6	811	7.8	957	20,943	1.237
230 (P)	RAIN	HP	6.4	808	7.5	943	20,498	1.237
250 (P)	BERRY	FP	5.6	741	6.6	866	20,398	1.200
250 (P)	RAIN	FP	5.8	766	6.8	893	20,681	1.200

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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RAMSHOT TRUE BLUE

120	LHG	XP	9.2	1,127	10.2	1,255	20,875	1.232
140	SF	RHFP	7.7	1,009	8.6	1,121	20,250	1.210
155	SF	RHFP	6.8	916	7.6	1,018	20,310	1.210
155 (L)	LC	SWC	8.4	1,049	9.3	1,165	20,030	1.232
160	BARNES	TAC-XP	6.8	948	7.9	1,081	20,397	1.256
170	LHG	CF	6.7	865	7.4	962	20,746	1.235
180 (L)	LC	SWC	7.7	947	8.5	1,052	19,510	1.267
185	HDY	XTP	8.5	980	9.4	1,089	20,780	1.230
185	REM	GS	7.6	947	9.0	1,087	20,822	1.225
185	BARNES	TAC-XP	5.9	857	7.0	965	20,188	1.256
185 (P)	BERRY	SWC	7.5	942	8.8	1,086	20,958	1.195
185 (P)	BERRY	FP	7.7	936	9.1	1,091	20,906	1.195
185 (P)	BERRY	HBRN	8.1	954	9.6	1,091	20,499	1.270
185 (P)	RAIN	HP	7.6	924	9.0	1,068	20,399	1.220
200	LHG	XP	6.3	760	7.0	846	20,628	1.235
200	HDY	FMJ CT	7.2	866	8.0	962	19,490	1.230
200 (P)	BERRY	HP	7.4	893	8.7	1,038	20,815	1.205
200 (P)	BERRY	FP	7.7	919	9.1	1,065	20,771	1.205
200 (P)	BERRY	SWC	7.0	884	8.2	1,009	20,444	1.212
200 (P)	RAIN	FP	7.0	876	8.2	1,010	20,447	1.245
200 (P)	RAIN	RN	7.6	891	8.9	1,036	20,733	1.269
230	HDY	XTP	5.8	722	6.8	851	20,916	1.210
230	REM	GS	6.2	810	7.3	909	20,128	1.225
230	SIERRA	FMJ	6.8	800	7.6	889	19,680	1.250
230 (P)	BERRY	RN	6.6	820	7.8	933	20,553	1.237
230 (P)	RAIN	HP	6.4	807	7.6	925	20,804	1.237
230 (L)	LC	SWC	6.7	822	7.4	913	19,450	1.267
250 (P)	BERRY	FP	5.7	731	6.7	839	20,899	1.200
250 (P)	RAIN	FP	5.8	739	6.8	854	20,863	1.212

ACCURATE NO. 5

120	LHG	XP	10.3	1,135	11.5	1,283	20,959	1.232
140	SF	RHFP	8.7	1,044	9.7	1,160	20,350	1.210
155	SF	RHFP	7.3	923	8.1	1,025	19,430	1.210
155 (L)	LC	SWC	9.0	1,046	10.0	1,189	18,500	1.240
160	BARNES	TAC-XP	7.3	946	8.5	1,086	20,349	1.256
170	LHG	CF	7.5	892	8.3	990	20,864	1.235
170 (L)	MCB	SWC	8.1	945	9.0	1,074	17,800	1.130
185	HDY	XTP	9.2	970	10.2	1,102	19,900	1.210
185	NOSLER	JHP	8.2	929	9.7	1,071	20,999	1.200
185	REM	GS	8.1	929	9.5	1,088	20,490	1.225
185	BARNES	TAC-XP	6.5	813	7.2	903	20,375	1.235
185 (P)	BERRY	SWC	8.0	926	9.4	1,080	20,372	1.195
185 (P)	BERRY	FP	8.2	924	9.7	1,079	20,391	1.195
185 (P)	BERRY	HBRN	8.8	916	10.3	1,088	20,416	1.270
185 (P)	RAIN	HP	8.1	940	9.5	1,080	20,677	1.220
185 (L)	MCB	SWC	8.0	925	8.9	1,050	18,500	1.230
200	LHG	XP	7.0	769	7.8	869	20,893	1.235
200	SIERRA	FPJ	7.6	854	8.9	996	20,493	1.155
200 (P)	BERRY	HP	7.7	892	9.1	1,022	20,058	1.205
200 (P)	BERRY	FP	7.9	870	9.3	1,024	20,559	1.205
200 (P)	BERRY	SWC	7.5	868	8.8	1,010	20,114	1.212
200 (P)	RAIN	FP	7.6	881	8.9	1,026	20,740	1.245
200 (P)	RAIN	RN	8.2	904	9.6	1,044	20,744	1.269
200 (L)	LC	SWC	7.8	902	8.7	1,025	19,400	1.190
230	HDY	XTP	6.6	751	7.7	869	20,998	1.210
230	NOSLER	FMJ	7.8	816	8.7	927	19,300	1.250
230	REM	GS	7.0	810	8.2	935	20,694	1.225
230	SIERRA	FMJ	7.4	814	8.7	939	20,921	1.270
230 (P)	BERRY	RN	7.1	784	8.3	929	20,142	1.237
230 (P)	RAIN	HP	7.0	807	8.2	934	20,814	1.237
230 (L)	MCB	RN BB	7.7	852	8.5	968	19,800	1.230
250 (P)	BERRY	FP	6.0	718	7.1	838	20,489	1.200
250 (P)	RAIN	FP	6.2	737	7.3	864	20,948	1.212

ACCURATE NO. 7

155 (L)	LC	SWC	12.0	1,076	13.3	1,223	20,200	1.240
160	BARNES	TAC-XP	8.8	934	10.4	1,082	20,740	1.256

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
45 AUTO (ACP) (continued)								
ACCURATE NO. 7 (continued)								
170 (L)	MCB	SWC	11.3	1,031	12.5	1,172	20,800	1.130
185	SIERRA	JHP	11.7	962	13.0	1,093	18,000	1.210
185	REM	GS	10.1	929	11.9	1,095	20,674	1.225
185	BARNES	TAC-XP	8.1	827	9.0	919	20,155	1.235
185 (P)	BERRY	SWC	9.7	904	11.4	1,073	20,489	1.195
185 (P)	BERRY	FP	10.1	909	11.9	1,096	20,777	1.195
185 (P)	BERRY	HBRN	10.8	920	12.7	1,109	20,875	1.270
185 (P)	RAIN	HP	10.0	915	11.7	1,092	20,902	1.220
200	HDY	XTP	10.8	912	12.0	1,036	19,200	1.225
200 (P)	BERRY	HP	9.4	868	11.0	1,031	20,499	1.205
200 (P)	BERRY	FP	9.9	887	11.6	1,054	20,488	1.205
200 (P)	RAIN	FP	9.2	862	10.8	1,021	20,674	1.245
200 (P)	RAIN	RN	9.9	873	11.6	1,045	20,500	1.269
200 (L)	LC	SWC	10.4	899	11.5	1,022	18,700	1.190
230	HDY	XTP	7.8	743	9.2	895	20,946	1.210
230	REM	GS	8.5	822	10.0	943	20,990	1.225
230 (P)	BERRY	RN	8.6	800	10.1	945	20,777	1.237
230 (P)	RAIN	HP	8.3	778	9.8	930	20,668	1.237
230 (L)	LC	RN	9.9	862	11.0	979	19,400	1.230
250 (P)	BERRY	FP	7.3	744	8.6	845	20,667	1.200
250 (P)	RAIN	FP	7.5	731	8.8	863	20,147	1.212

45 AUTO (ACP) +P

Barrel: 5" | Twist: 1-16" | Primer: FED 150 | Bullet Diameter: 0.451"
Case: REM | Max Case Length: 0.898" | Trim Length: 0.893"

ACCURATE NITRO 100 NF

185	REM	GS	4.9	928	5.2	968	22,320	1.225
185 (P)	BERRY	SWC	4.6	936	4.9	967	22,717	1.198
185 (P)	BERRY	FP	5.0	974	5.4	1,018	22,878	1.197
185 (P)	BERRY	HBRN	5.3	968	5.7	1,018	22,908	1.270
200 (P)	BERRY	FP	4.5	901	4.9	945	22,816	1.205
200 (P)	BERRY	HP	4.5	887	4.8	939	22,739	1.205
200 (P)	BERRY	SWC	4.4	898	4.6	922	22,316	1.205
200 (P)	RAIN	FP	4.4	900	4.7	929	22,553	1.245
230	HDY	XTP	3.8	739	4.1	783	22,970	1.210
230 (P)	BERRY	RN	4.4	832	4.6	859	22,903	1.237
230 (P)	RAIN	HP	4.1	730	4.3	781	22,958	1.237
230 (L)	LC	RN	4.0	823	4.2	848	22,943	1.230

RAMSHOT COMPETITION

185	NOSLER	JHP	5.1	961	5.4	1,000	22,793	1.200
185	REM	GS	5.1	968	5.5	1,014	22,764	1.225
185 (P)	BERRY	SWC	4.9	954	5.2	999	22,848	1.198
185 (P)	BERRY	FP	5.2	980	5.5	1,027	22,918	1.197
185 (P)	BERRY	HBRN	5.4	977	5.9	1,038	22,933	1.270
200 (P)	BERRY	HP	4.7	900	5.0	939	22,715	1.205
200 (P)	BERRY	FP	4.9	918	5.2	962	22,900	1.205
200 (P)	BERRY	SWC	4.7	920	5.0	956	22,771	1.205
200 (P)	RAIN	FP	4.7	905	4.9	940	22,417	1.245
230	HDY	XTP	3.9	749	4.2	781	22,910	1.210
230	REM	GS	4.2	795	4.4	822	22,994	1.225
230 (P)	RAIN	HP	4.4	750	4.6	788	22,594	1.237

RAMSHOT ZIP

185	REM	GS	7.3	1,081	7.6	1,119	22,503	1.225
185 (P)	BERRY	SWC	6.8	1,041	7.2	1,105	22,237	1.198
185 (P)	BERRY	FP	7.1	1,067	7.5	1,129	22,551	1.197
185 (P)	BERRY	HBRN	7.6	1,086	8.2	1,158	22,711	1.270
200 (P)	BERRY	HP	6.7	1,003	7.1	1,067	22,504	1.205
200 (P)	BERRY	FP	7.1	1,040	7.4	1,078	22,973	1.205
200 (P)	BERRY	SWC	6.5	1,012	6.9	1,057	22,965	1.205
200 (P)	RAIN	FP	6.5	1,007	6.7	1,048	22,256	1.245
200 (P)	RAIN	RN	7.1	1,037	7.5	1,082	22,739	1.269
230	HDY	XTP	5.3	814	5.7	862	22,810	1.210
230	REM	GS	5.7	876	6.0	912	22,932	1.225
230 (P)	BERRY	RN	6.0	893	6.3	936	22,718	1.237
230 (P)	RAIN	HP	5.9	867	6.2	907	22,656	1.237

ACCURATE SOLO 1000

185	REM	GS	6.1	1,018	6.5	1,064	22,933	1.225
185 (P)	BERRY	SWC	5.9	986	6.3	1,054	22,318	1.198
185 (P)	BERRY	FP	6.0	1,015	6.4	1,059	22,744	1.197
185 (P)	BERRY	HBRN	6.5	1,024	6.8	1,066	22,837	1.270
200 (P)	BERRY	FP	5.7	946	6.2	1,003	22,734	1.205
200 (P)	BERRY	SWC	5.6	943	6.1	1,017	22,661	1.205
200 (P)	RAIN	FP	5.7	963	6.1	1,002	22,799	1.245
200 (P)	RAIN	RN	6.2	975	6.6	1,015	22,102	1.269
230	HDY	XTP	4.7	787	5.0	827	22,770	1.210
230	REM	GS	5.0	834	5.4	868	22,940	1.225
230 (P)	BERRY	RN	5.1	842	5.4	879	22,694	1.237
230 (P)	RAIN	HP	5.1	800	5.5	848	22,859	1.237

ACCURATE NO. 2

155 (L)	LC	SWC	6.8	1,136	7.1	1,174	22,295	1.225
160	BARNES	TAC-XP	5.5	1,010	5.9	1,056	22,790	1.256
185	REM	GS	6.4	1,014	6.7	1,066	22,481	1.225
185	BARNES	TAC-XP	5.1	926	5.5	973	22,626	1.256
185 (P)	BERRY	SWC	6.4	1,024	6.7	1,062	22,864	1.195
185 (P)	BERRY	FP	6.3	1,009	6.7	1,060	22,941	1.195
185 (P)	BERRY	HBRN	7.0	1,013	7.5	1,081	22,826	1.270
185 (P)	RAIN	HP	6.6	1,014	7.0	1,068	22,772	1.220
200 (P)	BERRY	HP	6.3	968	6.7	1,016	22,884	1.205
200 (P)	BERRY	FP	6.3	955	6.9	1,023	22,444	1.205
200 (P)	BERRY	SWC	6.0	956	6.3	995	22,840	1.212
230	HDY	XTP	5.1	797	5.3	833	22,776	1.210
230	REM	GS	5.3	851	5.7	899	22,892	1.225
230 (P)	BERRY	RN	5.4	835	5.8	891	22,904	1.237
230 (P)	RAIN	HP	5.4	829	5.7	868	22,815	1.237
250 (P)	BERRY	FP	4.6	752	4.9	805	22,952	1.200
250 (P)	RAIN	FP	4.8	777	5.1	819	22,904	1.200

RAMSHOT SILHOUETTE

120	LHG	XP	10.9	1,354	11.2	1,407	22,816	1.232
155 (L)	LC	SWC	8.9	1,231	9.3	1,279	22,949	1.225
160	BARNES	TAC-XP	7.9	1,123	8.3	1,181	22,309	1.256
170	LHG	CF	7.7	1,038	8.1	1,102	22,974	1.235
185	REM	GS	8.9	1,110	9.3	1,161	22,615	1.225
185	BARNES	TAC-XP	7.3	1,015	7.7	1,079	22,929	1.256
185 (P)	BERRY	SWC	8.9	1,122	9.3	1,169	22,960	1.195
185 (P)	BERRY	FP	9.1	1,099	9.7	1,171	22,882	1.195
185 (P)	BERRY	HBRN	9.7	1,123	10.2	1,193	22,833	1.270
185 (P)	RAIN	HP	9.1	1,089	9.7	1,161	22,711	1.220
200	LHG	XP	7.2	907	7.5	953	22,754	1.235
200 (P)	BERRY	HP	8.5	1,041	9.0	1,094	22,625	1.205
200 (P)	BERRY	FP	8.7	1,038	9.2	1,093	22,504	1.205
200 (P)	BERRY	SWC	8.2	1,034	8.8	1,109	22,362	1.212
200 (P)	RAIN	RN	8.8	1,046	9.5	1,124	22,816	1.269
230	HDY	XTP	7.3	917	7.7	963	22,968	1.210
230	REM	GS	7.6	960	8.1	1,014	22,760	1.225
230 (P)	BERRY	RN	7.8	957	8.2	1,009	22,835	1.237
230 (P)	RAIN	HP	7.5	951	7.9	999	22,826	1.237
250 (P)	BERRY	FP	6.6	873	7.0	918	22,954	1.200
250 (P)	RAIN	FP	6.8	894	7.1	929	22,898	1.200

RAMSHOT TRUE BLUE

120	LHG	XP	10.2	1,257	10.6	1,297	22,501	1.232
155 (L)	LC	SWC	8.9	1,171	9.5	1,235	22,944	1.225
160	BARNES	TAC-XP	7.9	1,078	8.4	1,135	22,969	1.256
170	LHG	CF	7.4	956	7.8	1,007	22,549	1.235
185	REM	GS	9.0	1,093	9.4	1,132	22,558	1.225
185	BARNES	TAC-XP	7.0	971	7.6	1,026	22,893	1.256
185 (P)	BERRY	SWC	8.8	1,091	9.2	1,132	22,948	1.195
185 (P)	BERRY	FP	9.1	1,087	9.7	1,165	22,979	1.195
185 (P)	BERRY	HBRN	9.6	1,098	10.2	1,157	22,834	1.270
185 (P)	RAIN	HP	9.0	1,063	9.7	1,147	22,590	1.220
200	LHG	XP	7.0	851	7.4	896	22,719	1.235
200 (P)	BERRY	HP	8.7	1,043	9.1	1,084	22,953	1.205
200 (P)	BERRY	FP	9.1	1,066	9.5	1,111	22,973	1.205

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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45 AUTO (ACP) +P (continued)

RAMSHOT TRUE BLUE (continued)

200 (P)	BERRY	SWC	8.2	1,008	8.9	1,082	22,962	1.212
200 (P)	RAIN	RN	8.9	1,036	9.6	1,109	22,786	1.269
230	HDY	XTP	6.8	847	7.1	883	22,638	1.210
230	REM	GS	7.3	910	7.8	952	22,287	1.225
230 (P)	BERRY	RN	7.8	931	8.4	988	22,606	1.237
230 (P)	RAIN	HP	7.6	933	8.0	975	22,956	1.237
250 (P)	RAIN	FP	6.8	859	7.2	900	22,952	1.212

ACCURATE NO.5

120	LHG	XP	11.5	1,280	11.9	1,342	22,553	1.232
155 (L)	LC	SWC	9.7	1,184	10.3	1,248	22,950	1.225
160	BARNES	TAC-XP	8.5	1,084	9.1	1,144	22,814	1.256
170	LHG	CF	8.3	982	8.7	1,033	22,760	1.235
185	NOSLER	JHP	9.7	1,078	10.0	1,108	22,601	1.200
185	REM	GS	9.5	1,084	10.1	1,152	22,694	1.225
185	BARNES	TAC-XP	7.5	959	7.9	1,016	22,789	1.256
185 (P)	BERRY	SWC	9.4	1,074	10.0	1,139	22,879	1.195
185 (P)	BERRY	FP	9.7	1,082	10.3	1,149	22,534	1.195
185 (P)	BERRY	HBRN	10.3	1,089	11.0	1,163	22,686	1.270
185 (P)	RAIN	HP	9.5	1,080	10.1	1,140	22,668	1.220
200	LHG	XP	7.8	868	8.2	921	22,774	1.235
200	SIERRA	FPJ	8.9	997	9.3	1,036	22,467	1.155
200 (P)	BERRY	HP	9.1	1,023	9.8	1,089	22,685	1.205
200 (P)	BERRY	FP	9.3	1,022	10.0	1,101	22,735	1.205
200 (P)	BERRY	SWC	8.8	1,009	9.5	1,081	22,623	1.212
200 (P)	RAIN	RN	9.6	1,047	10.2	1,108	22,940	1.269
230	HDY	XTP	7.7	868	8.1	909	22,850	1.210
230	REM	GS	8.2	927	8.6	971	22,384	1.225
230	SIERRA	FMJ	8.7	940	9.1	984	22,997	1.270
230 (P)	BERRY	RN	8.0	888	9.0	1,003	22,808	1.237
230 (P)	RAIN	HP	8.2	933	8.7	987	22,934	1.237
250 (P)	BERRY	FP	7.1	833	7.5	884	22,980	1.200
250 (P)	RAIN	FP	7.3	858	7.6	894	22,298	1.212

ACCURATE NO.7

160	BARNES	TAC-XP	10.4	1,080	10.8	1,122	22,371	1.256
185	REM	GS	11.9	1,101	12.4	1,148	22,874	1.225
185	BARNES	TAC-XP	9.1	960	9.5	1,004	22,617	1.256
185 (P)	BERRY	SWC	11.4	1,072	12.0	1,131	22,940	1.195
185 (P)	BERRY	FP	11.9	1,097	12.6	1,170	22,627	1.195
185 (P)	BERRY	HBRN	12.7	1,110	13.2	1,164	22,475	1.270
185 (P)	RAIN	HP	11.7	1,089	12.4	1,158	22,978	1.220
200 (P)	BERRY	HP	11.0	1,033	11.5	1,079	22,841	1.205
200 (P)	BERRY	FP	11.6	1,052	12.2	1,112	22,846	1.205
200 (P)	RAIN	RN	11.6	1,040	12.4	1,121	22,843	1.269
230	HDY	XTP	9.2	897	9.6	940	22,839	1.210
230	REM	GS	10.0	950	10.3	975	22,511	1.225
230 (P)	BERRY	RN	10.1	945	10.5	986	22,795	1.237
230 (P)	RAIN	HP	9.8	924	10.4	990	22,939	1.237
250 (P)	BERRY	FP	8.6	845	9.1	889	22,922	1.200
250 (P)	RAIN	FP	8.8	866	9.3	913	22,510	1.212

45 COLT - 14000 PSI - STANDARD LOADS

Barrel: 7.26" | Twist: 1-16" | Primer: REM 2 1/2 | Bullet Diameter: 0.452"
Case: REM | Max Case Length: 1.285" | Trim Length: 1.275"

ACCURATE NITRO 100 NF

200 (L)	LC	RNFP	4.9	887	5.8	963	13,800	1.586
255 (L)	LC	SWC	4.1	730	4.9	802	13,750	1.604
300 (L)	LC	FP	3.3	602	3.8	662	13,097	1.566

RAMSHOT COMPETITION

200 (L)	LC	RNFP	5.2	893	6.1	972	13,855	1.586
255 (L)	LC	SWC	4.3	749	5.1	820	13,675	1.604
300 (L)	LC	FP	3.4	629	4.0	685	13,534	1.566

RAMSHOT ZIP

200 (L)	LC	RNFP	7.2	925	8.4	1,044	13,935	1.586
255 (L)	LC	SWC	6.0	796	7.1	898	13,925	1.604
300 (L)	LC	FP	4.9	675	5.7	759	13,268	1.566

ACCURATE SOLO 1000

200 (L)	LC	RNFP	6.0	897	7.1	989	13,925	1.586
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Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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250 (L)	LC	RNFP	5.2	770	6.1	855	13,331	1.558
255 (L)	LC	SWC	5.2	760	6.1	845	13,875	1.604
300 (L)	LC	FP	4.1	645	4.8	712	13,356	1.566

ACCURATE NO. 2

200 (L)	LC	RNFP	6.8	898	8.0	1,012	13,825	1.586
255 (L)	LC	SWC	5.9	790	7.0	888	13,750	1.604
300 (L)	LC	FP	4.7	670	5.6	749	13,987	1.566

RAMSHOT SILHOUETTE

255 (L)	LC	SWC	8.1	826	9.5	953	13,995	1.604
300 (L)	LC	FP	6.7	729	7.9	835	13,874	1.552

RAMSHOT TRUE BLUE

255 (L)	LC	SWC	7.5	852	8.8	954	13,995	1.604
300 (L)	LC	FP	6.3	751	7.4	838	13,991	1.552

ACCURATE NO. 5

185	SIERRA	JHP	10.8	946	12.0	1,075	12,200	1.575
200	HDY	XTP	10.4	908	11.5	1,032	13,400	1.595
210 (L)	MCB	RN BB	10.9	904	12.1	1,027	12,500	1.620
225 (L)	MCB	TC BB	10.9	909	12.1	1,033	13,800	1.620
230	HDY	XTP	9.9	853	11.0	969	14,000	1.595
240	SIERRA	JHP	9.5	854	10.5	970	14,000	1.590
250	HDY	XTP	9.9	704	11.0	800	14,000	1.570
250 (P)	RAIN	FP	9.4	765	10.4	870	12,900	1.585
255 (L)	LC	SWC	8.2	818	9.6	936	13,400	1.600
300 (L)	LC	FP	6.6	723	7.8	818	13,212	1.566

ACCURATE 5744

255 (L)	LC	SWC	17.6	922	19.5	1,011	14,000	1.604
300 (L)	LC	FP	13.4	741	15.8	853	13,777	1.566
395 (L)	CP	WLNGC	11.2	606	13.2	706	13,258	1.658

45 COLT - 30,000 PSI - HIGH PRESSURE LOADS

Barrel: 7.26" | Twist: 1-16" | Primer: REM 2 1/2 | Bullet Diameter: 0.452"
Case: REM | Max Case Length: 1.285" | Trim Length: 1.275"

ACCURATE NITRO 100 NF

200 (L)	LC	RNFP	8.0	1,152	9.4	1,272	29,725	1.586
255 (L)	LC	SWC	6.9	998	8.1	1,114	29,850	1.604
300 (L)	LC	FP	5.5	835	6.5	935	29,917	1.566

RAMSHOT COMPETITION

200 (L)	LC	RNFP	8.3	1,160	9.8	1,284	29,775	1.586
255 (L)	LC	SWC	6.9	983	8.1	1,093	29,500	1.604
300 (L)	LC	FP	5.5	824	6.5	914	29,882	1.566

RAMSHOT ZIP

200 (L)	LC	RNFP	11.0	1,276	12.9	1,450	29,915	1.586
255 (L)	LC	SWC	9.4	1,111	11.0	1,263	29,975	1.604
300 (L)	LC	FP	7.6	936	8.9	1,063	28,813	1.566

ACCURATE SOLO 1000

200 (L)	LC	RNFP	9.7	1,206	11.4	1,350	29,700	1.586
255 (L)	LC	SWC	8.3	1,044	9.8	1,174	29,850	1.604
300 (L)	LC	FP	6.4	857	7.5	961	28,961	1.566

ACCURATE NO. 2

200 (L)	LC	RNFP	10.4	1,231	12.3	1,398	29,875	1.586
255 (L)	LC	SWC	9.0	1,066	10.6	1,207	29,750	1.604
300 (L)	LC	FP	7.2	899	8.5	1,016	29,713	1.566

RAMSHOT SILHOUETTE

255 (L)	LC	SWC	11.8	1,144	13.8	1,322	29,850	1.604
300 (L)	LC	FP	9.4	965	11.0	1,111	29,098	1.566

RAMSHOT TRUE BLUE

255 (L)	LC	SWC	12.1	1,196	14.2	1,354	29,990	1.604
300 (L)	LC	FP	9.4	992	11.1	1,120	29,877	1.566

ACCURATE NO. 5

255 (L)	LC	SWC	13.2	1,223	15.5	1,410	29,850	1.604
300 (L)	LC	FP	10.1	999	11.8	1,141	29,415	1.566

ACCURATE NO. 7

135	LHG	XD	18.8	1,593	22.2	1,842	28,927	1.630
225	BARNES	XPB	14.6	1,161	16.2	1,290	27,657	1.588
255 (L)	LC	SWC	15.4	1,196	18.1	1,400	29,950	1.604

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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45 COLT - 30,000 PSI - HIGH PRESSURE LOADS

(continued)

ACCURATE NO. 7 (continued)

300 (L)	LC	FP	12.1	1,007	14.3	1,164	28,607	1.566
395 (L)	CP	WLNGC	10.3	845	12.2	970	28,916	1.658

ACCURATE NO. 9

135	LHG	XD	29.2	1679	34.3	2,040	28,346	1.630
225	BARNES	XPB	18.0	1,226	20.0	1,362	28,287	1.588
255 (L)	LC	SWC	20.6	1,303	24.2	1,524	29,950	1.604
300 (L)	LC	FP	16.0	1,127	18.8	1,281	29,023	1.566
320	BME	PUNCH	15.9	1,058	18.7	1,214	29,654	1.640
395 (L)	CP	WLNGC	12.2	891	14.3	1,024	28,877	1.658

ACCURATE TCM

255 (L)	LC	SWC	18.7	1,282	22.0	1,457	28,967	1.604
300 (L)	LC	FP	15.6	1,093	18.4	1,277	28,382	1.566
325 (L)	MBW	SWCGCDC	14.7	1,030	17.3	1,191	29,659	1.570
335 (L)	CP	WLNGC	15.2	1,048	17.9	1,220	28,637	1.665
360 (L)	CP	WLNGC	14.4	981	16.9	1,163	28,539	1.670
395 (L)	CP	WLNGC	13.2	914	15.6	1,073	28,643	1.670

ACCURATE 4100

255 (L)	LC	SWC	22.9	1,265	27.0	1,559	29,995	1.604
300 (L)	LC	FP	17.9	1,105	21.0	1,322	29,011	1.566
320	BME	PUNCH	17.8	1,040	21.0	1,255	29,653	1.640
395 (L)	CP	WLNGC	13.9	936	16.3	1,064	28,889	1.658

RAMSHOT ENFORCER

225	BARNES	XPB	21.2	1,351	23.5	1,501	29,497	1.588
255 (L)	LC	SWC	22.9	1,265	27.0	1,559	29,995	1.604
300 (L)	LC	FP	17.9	1,105	21.0	1,322	29,011	1.566
320	BME	PUNCH	17.8	1,040	21.0	1,255	29,653	1.640
395 (L)	LC	WLNGC	13.9	936	16.3	1,064	28,889	1.658

ACCURATE NO. 11 FS

255 (L)	LC	SWC	24.2	1,287	28.4	1,549	29,041	1.604
300 (L)	LC	FP	19.4	1,146	22.8	1,353	29,387	1.566
325 (L)	MBW	SWCGCDC	17.1	1,031	20.2	1,223	28,984	1.570
335 (L)	CP	WLNGC	19.7	1,124	23.2	1,317	29,976	1.665
360 (L)	CP	WLNGC	17.9	1,059	21.1	1,231	29,751	1.670
395 (L)	CP	WLNGC	15.5	954	18.2	1,120	29,897	1.670

ACCURATE 5744

255 (L)	LC	SWC	23.8	1,205	28.0	1,396	29,985	1.604
300 (L)	LC	FP	19.4	1,021	22.8	1,182	29,002	1.566
320	BME	PUNCH	18.6	902	21.8	1,076	29,019	1.640
395 (L)	LC	WLNGC	16.0	844	18.8	985	29,367	1.658

45 COLT IN .410 SHOTSHELL CHAMBER

Barrel: 6" | Twist: 1-16" | Primer: FED 150 | Bullet Diameter: 0.452"

Case: REM | Max Case Length: 1.285" | Trim Length: 1.275"

ACCURATE NITRO 100 NF

200 (L)	LC	RNFP	5.6	779	6.6	873	13,956	1.557
225	BARNES	XPB	4.2	607	4.9	688	13,763	1.580
240	HDY	XTP	4.8	622	5.7	702	13,284	1.654
255 (L)	LC	SWC	4.4	640	5.2	733	13,992	1.596

RAMSHOT COMPETITION

200 (L)	LC	RNFP	5.6	755	6.6	871	13,249	1.557
225	BARNES	XPB	4.3	603	5.1	692	13,258	1.580
240	HDY	XTP	5.1	615	6.0	724	13,607	1.654
255 (L)	LC	SWC	4.7	662	5.5	743	13,534	1.596

RAMSHOT ZIP

200 (L)	LC	RNFP	8.3	840	9.7	984	13,843	1.557
225	BARNES	XPB	6.2	673	7.3	798	13,931	1.580
240	HDY	XTP	7.3	677	8.5	816	13,558	1.654
255 (L)	LC	SWC	6.6	709	7.8	821	13,688	1.596

ACCURATE SOLO 1000

200 (L)	LC	RNFP	7.1	813	8.3	940	13,006	1.557
225	BARNES	XPB	5.3	663	6.3	750	13,840	1.580
240	HDY	XTP	6.5	681	7.7	785	13,745	1.654
255 (L)	LC	SWC	5.6	692	6.6	778	13,398	1.596

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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ACCURATE NO. 2

200 (L)	LC	RNFP	7.7	794	9.1	935	13,706	1.557
225	BARNES	XPB	5.8	648	6.8	758	13,404	1.580
240	HDY	XTP	6.9	680	8.1	795	13,854	1.654
255 (L)	LC	SWC	6.2	680	7.3	786	13,337	1.596

RAMSHOT SILHOUETTE

200 (L)	LC	RNFP	11.6	891	13.6	1,084	13,722	1.560
225	BARNES	XPB	8.5	706	10.0	876	13,914	1.580
240	HDY	XTP	9.7	707	11.4	888	13,361	1.654
255 (L)	LC	SWC	9.2	740	10.8	904	13,510	1.596

RAMSHOT TRUE BLUE

200 (L)	LC	RNFP	10.1	882	11.9	1,010	13,478	1.557
225	BARNES	XPB	7.6	696	8.9	807	13,191	1.580
240	HDY	XTP	9.1	743	10.7	862	13,961	1.654
255 (L)	LC	SWC	8.1	745	9.6	844	13,094	1.596

ACCURATE NO. 5

200 (L)	LC	RNFP	11.2	861	13.1	1,008	13,696	1.560
225	BARNES	XPB	8.5	695	10.0	824	13,641	1.580
240	HDY	XTP	9.7	698	11.4	836	13,048	1.654
255 (L)	LC	SWC	9.0	750	10.6	860	13,775	1.596

454 CASULL

Barrel: 7.5" | Twist: 1-24" | Primer: CCI 400 | Bullet Diameter: 0.452"

Case: HDY | Max Case Length: 1.383" | Trim Length: 1.373"

RAMSHOT TRUE BLUE

240	SIERRA	JHC	19.8	1,496	22.0	1,662	53,200	1.765
265 (L)	CP	WFNGC	18.5	1,409	20.5	1,565	54,000	1.670
300	HDY	XTP	16.7	1,278	18.5	1,420	53,570	1.760
335 (L)	CP	WLNGC	16.2	1,256	18.0	1,395	53,400	1.735
360 (L)	CP	WLNGC	12.5	1,075	16.0	1,262	47,470	1.770

ACCURATE NO. 7

250	BARNES	XPB	19.6	1,517	21.8	1,686	54,850	1.780
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ACCURATE NO. 9

240	SIERRA	JHC	28.8	1,678	32.0	1,884	47,090	1.685
300	HDY	XTP	24.8	1,494	27.5	1,691	55,410	1.740

ACCURATE 4100

240	SIERRA	JHC	28.6	1,639	31.8	1,822	42,601	1.735
260	NOSLER	PART	26.8	1,559	29.8	1,733	52,698	1.735
300	NOSLER	PART	25.0	1,448	27.8	1,609	50,629	1.750
335 (L)	CP	WLNGC	23.2	1,363	25.8	1,515	52,550	1.760
370 (L)	CP	WLNGC	21.4	1,245	23.8	1,384	47,477	1.770
395 (L)	CP	WLNGC	19.7	1,181	21.8	1,312	47,576	1.770

RAMSHOT ENFORCER

240	SIERRA	JHC	28.8	1,656	32.0	1,840	43,250	1.735
260	NOSLER	PART	27.0	1,575	30.0	1,750	53,500	1.735
300	NOSLER	PART	25.2	1,463	28.0	1,625	51,400	1.750
335 (L)	CP	WLNGC	23.4	1,377	26.0	1,530	53,350	1.760
370 (L)	CP	WLNGC	21.6	1,258	24.0	1,398	48,200	1.770
395 (L)	CP	WLNGC	19.8	1,193	22.0	1,325	48,300	1.770

ACCURATE NO. 11 FS

360	CP	WLNGC	22.5	1,299	26.4	1,525	50,246	1.770
395	CP	WLNGC	19.4	1,180	22.9	1,364	48,962	1.770

ACCURATE 5744

240	SIERRA	JHC	27.9	1,363	31.0	1,484	30,800	1.685
250 (L)	LC	RNFP	26.1	1,347	29.0	1,531	37,100	1.750
255 (L)	LC	SWC	25.2	1,315	28.0	1,500	40,200	1.705
300	HDY	XTP	23.4	1,134	26.0	1,275	32,630	1.740
300 (L)	MCB	WPFB	24.3	1,260	27.0	1,432	45,500	1.690

ACCURATE 1680

240	SIERRA	JHP	32.4	1,498	36.0	1,702	42,200	1.705
250	HDY	XTP	33.3	1,547	37.0	1,758	49,100	1.700
300	HDY	XTP	30.2	1,403	33.5	1,594	49,600	1.765
300 (L)	LC	FP	27.0	1,229	30.0	1,397	33,700	1.690

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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460 S&W

Barrel: 8.37" | Twist: 1-20" | Primer: WIN WLR | Bullet Diameter: 0.452"
Case: HDY | Max Case Length: 1.800" | Trim Length: 1.790"

ACCURATE NO. 9

200	BARNES	XPB	41.4	2,168	46.0	2,409	56,690	2.289
240	HDY	XTP	34.0	1,820	38.0	2,000	59,300	2.188
260	NOSLER	PART	31.5	1,740	35.0	1,895	59,000	2.192
275	BARNES	XPB	34.2	1,805	38.0	2,006	57,750	2.289
300	SIERRA	JSP	30.0	1,620	34.0	1,790	61,000	2.208
335 (L)	CP	WLNGC	28.0	1,510	31.5	1,660	61,000	2.181
360 (L)	CP	WLNGC	27.0	1,450	30.0	1,580	60,438	2.199

ACCURATE 4100

240	HDY	XTP	41.4	1,895	46.0	2,145	58,700	2.160
260	NOSLER	PART	36.9	1,843	41.0	2,048	58,200	2.180
275	BARNES	XPB	34.9	1,757	38.7	1,952	53,348	2.289
300	NOSLER	PART	35.1	1,820	39.0	2,042	57,800	2.187
335 (L)	CP	WLNGC	31.0	1,520	34.5	1,675	60,000	2.181
360 (L)	CP	WLNGC	29.7	1,450	33.0	1,595	59,100	2.199

RAMSHOT ENFORCER

200	BARNES	XPB	42.3	2,050	47.0	2,278	47,200	2.289
240	HDY	XTP	42.0	1,936	47.0	2,195	59,500	2.160
260	NOSLER	PART	38.3	1,895	42.5	2,092	57,900	2.180
300	NOSLER	PART	35.6	1,855	39.8	2,042	55,380	2.187

ACCURATE NO. 11 FS

315 (L)	MBW	SWCKGC	35.0	1,641	41.2	1,907	58,991	2.210
325 (L)	MBW	SWCGCDC	31.7	1,580	36.5	1,802	58,908	2.095
335 (L)	CP	WLNGC	33.3	1,572	39.2	1,863	59,957	2.180
360 (L)	CP	WLNGC	31.5	1,533	37.1	1,775	59,851	2.190
395 (L)	CP	WLNGC	29.1	1,458	33.4	1,639	59,637	2.190

ACCURATE 5744

240	HDY	XTP	40.0	1,836	44.0	2,035	58,200	2.188
260	NOSLER	PART	36.0	1,685	40.0	1,880	55,000	2.192
300	SIERRA	JSP	34.0	1,590	38.0	1,785	57,800	2.208
335 (L)	CP	WLNGC	32.0	1,500	36.5	1,710	59,600	2.181
360 (L)	CP	WLNGC	31.5	1,480	35.0	1,640	59,800	2.199

ACCURATE 1680

240	HDY	XTP	45.0	1,713	50.0	1,985	53,300	2.188
260	NOSLER	PART	41.5	1,628	46.0	1,860	51,500	2.192
300	SIERRA	JSP	40.5	1,590	45.0	1,810	57,000	2.208
335 (L)	CP	WLNGC	38.0	1,500	42.0	1,684	59,700	2.181
360 (L)	CP	WLNGC	36.0	1,400	39.5	1,600	57,500	2.199

REDUCED LOADS - NO OTHER LOAD RECOMMENDED

ACCURATE 5744

240	HDY	XTP	27.0	1,230				2.188
260	NOSLER	PART	28.0	1,250				2.192
300	SIERRA	JSP	26.0	1,210				2.208
335 (L)	CP	WLNGC	25.5	1,200				2.181
360 (L)	CP	WLNGC	26.0	1,220				2.199

480 RUGER

Barrel: 7.5" | Twist: 1-18" | Primer: WIN WLP | Bullet Diameter: .475"
Case: STAR | Max Case Length: 1.285" | Trim Length: 1.275"

ACCURATE NO. 7

275	BARNES	XPB	17.1	1,290	19.0	1,433	46,400	1.695
325	HDY	XTP	17.0	1,280	19.0	1,430	45,400	1.650
370 (L)	CP	LFNPB	15.2	1,180	17.2	1,300	46,000	1.670
390 (L)	CP	LFNPB	14.8	1,150	16.5	1,260	46,600	1.680
400	HDY	XTP	13.0	1,050	15.0	1,180	45,200	1.635

ACCURATE NO. 9

275	SPEER	GDHP	23.4	1,260	26.0	1,377	45,000	1.640
275	BARNES	XPB	22.5	1,360	25.0	1,511	40,550	1.695
325	HDY	XTP	21.5	1,300	23.5	1,450	45,400	1.650
370 (L)	CP	LFNPB	19.0	1,220	21.0	1,320	44,900	1.670
390 (L)	CP	LFNPB	18.4	1,180	20.5	1,300	45,500	1.680
400	HDY	XTP	17.0	1,130	19.0	1,240	44,600	1.635

ACCURATE 4100

275	SPEER	GDHP	26.7	1,267	29.7	1,385	43,750	1.640
325	HDY	XTP	22.7	1,358	25.2	1,509	42,641	1.615
355 (L)	TS	WNFPGC	21.7	1,286	24.1	1,429	39,538	1.615
370 (L)	CP	LFNPB	21.2	1,271	23.5	1,413	41,784	1.660
375 (L)	CP	LFNGC	19.6	1,208	21.7	1,342	41,015	1.610
400	HDY	XTP	18.5	1,158	20.5	1,265	44,250	1.635

RAMSHOT ENFORCER

275	SPEER	GDHP	26.7	1,267	29.7	1,385	43,750	1.640
275	BARNES	XPB	23.4	1,364	26.0	1,515	36,220	1.695
325	HDY	XTP	22.9	1,372	25.4	1,524	43,290	1.615
355 (L)	TS	WNFPGC	21.9	1,299	24.3	1,443	40,140	1.615
370 (L)	CP	LFNPB	21.3	1,284	23.7	1,427	42,420	1.660
375 (L)	CP	LFNGC	19.7	1,220	21.9	1,356	41,640	1.610
400	HDY	XTP	18.5	1,158	20.5	1,265	44,250	1.635

ACCURATE NO. 11 FS

355 (L)	TS	WNFPGC	23.1	1,257	27.2	1,472	40,964	1.645
375 (L)	CP	LFNGC	20.7	1,196	24.3	1,375	41,839	1.625
410 (L)	CP	WFNGC	18.8	1,136	22.1	1,276	41,398	1.635
425 (L)	CP	LFNGC	15.4	967	18.1	1,137	39,127	1.605

475 LINEBAUGH

Barrel: 8.0" | Twist: 1-18" | Primer: WIN WLP | Bullet Diameter: 0.475"
Case: STAR | Max Case Length: 1.400" | Trim Length: 1.390"

ACCURATE NO. 9

275	BARNES	XPB	27.9	1,559	31.0	1,732	48,540	1.814
325	HDY	XTP	27.0	1,430	30.0	1,589	49,340	1.739
355 (L)	TS	WFPGC	26.1	1,436	29.0	1,596	49,010	1.775
375 (L)	CP	LFNGC	23.9	1,356	26.5	1,507	49,940	1.740
395 (L)	CP	WFPGC	22.0	1,290	24.4	1,433	47,890	1.794
400	HDY	XTP	21.2	1,227	23.5	1,363	48,610	1.739
405 (L)	MTB	KSPB	21.4	1,258	23.8	1,398	49,600	1.821
410 (L)	CP	WFNGC	21.4	1,253	23.8	1,392	49,900	1.739
420 (L)	CP	LFNPB	20.9	1,228	23.2	1,364	49,690	1.808
425 (L)	MCB	HUNT	21.2	1,298	23.5	1,442	49,720	1.764
425 (L)	CP	LFNGC	18.9	1,134	21.0	1,260	43,360	1.731

ACCURATE 4100

275	BARNES	XPB	28.6	1,539	31.8	1,710	46,719	1.814
325	HDY	XTP	28.6	1,510	31.8	1,678	48,935	1.753
355 (L)	TS	WFNGC	27.0	1,435	30.0	1,595	48,541	1.770
375 (L)	CP	LFNGC	24.8	1,363	27.6	1,515	49,073	1.725
400	HDY	XTP	22.3	1,247	24.7	1,386	48,501	1.755
405 (L)	MTB	KSPB	23.0	1,279	25.5	1,422	47,970	1.821
410 (L)	CP	WFNGC	22.7	1,263	25.2	1,404	48,078	1.747
425 (L)	CP	LFNGC	20.6	1,199	22.9	1,333	48,777	1.730

RAMSHOT ENFORCER

275	BARNES	XPB	28.8	1,554	32.0	1,727	47,430	1.814
325	HDY	XTP	28.8	1,526	32.0	1,695	49,680	1.753
355 (L)	TS	WNFPGC	27.2	1,450	30.2	1,611	49,280	1.770
375 (L)	CP	LFNGC	25.0	1,377	27.8	1,530	49,820	1.725
390 (L)	CP	WLNGC	25.4	1,369	28.2	1,521	49,830	1.794
400	HDY	XTP	22.4	1,260	24.9	1,400	49,240	1.755
405 (L)	MTB	KSPB	23.1	1,292	25.7	1,436	48,700	1.821
410 (L)	CP	WFNGC	22.9	1,276	25.4	1,418	48,810	1.747
425 (L)	CP	LFNGC	20.8	1,211	23.1	1,346	49,520	1.730

ACCURATE NO. 11 FS

355 (L)	TS	WNFPGC	26.7	1,323	31.4	1,581	42,066	1.770
375 (L)	CP	LFNGC	24.7	1,309	29.1	1,537	48,718	1.750
410 (L)	CP	WFNGC	22.7	1,208	26.7	1,406	42,946	1.760
425 (L)	CP	LFNGC	19.7	1,120	23.1	1,295	42,519	1.730

REDUCED LOADS - NO OTHER LOAD RECOMMENDED

ACCURATE 5744

375 (L)	CP	LFNGC	23.4	1,086				1.731
425 (L)	CP	LFNGC	18.0	889				1.731

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
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475 MAXIMUM

Barrel: 7.9" | Twist: 1-18" | Primer: CCI 350 | Bullet Diameter 0.475"
Case: STAR | (Wildcat: Consult with Maker)

ACCURATE NO. 9

355 (L)	TS	WNFPGC	26.6	1,448	29.6	1,609	49,020	1.970
375 (L)	CP	LFNGC	24.8	1,377	27.6	1,530	49,960	1.940
405 (L)	MTB	KSPB	24.3	1,331	27.0	1,479	48,610	2.025
425 (L)	CP	LFNGC	22.5	1,260	25.0	1,400	49,730	1.935

RAMSHOT ENFORCER

355 (L)	TS	WNFPGC	29.7	1,485	33.0	1,650	49,000	1.970
375 (L)	CP	LFNGC	27.0	1,401	30.0	1,557	48,057	1.940
405 (L)	MTB	KSPB	25.2	1,337	28.0	1,486	48,530	2.025
425 (L)	CP	LFNGC	23.4	1,271	26.0	1,412	49,650	1.935

ACCURATE 5744

355 (L)	TS	WNFPGC	34.2	1,416	38.0	1,573	49,000	1.970
405 (L)	MTB	KSPB	30.9	1,314	34.3	1,460	49,460	2.025
425 (L)	CP	LFNGC	28.1	1,219	31.2	1,354	49,120	1.935

500 S&W

Barrel: 8.37" | Twist: 1-18" | Primer: WIN WLR | Bullet Diameter: 0.500"
Case: HORN | Max Case Length: 1.620" | Trim Length: 1.615"

ACCURATE NO. 2

275 (P)	RAIN	HP	23.0	1,671	27.0	1,833	54,983	1.965
300 (P)	RAIN	FP	21.7	1,561	25.6	1,705	54,647	2.005
335 (P)	RAIN	HP	20.0	1,432	23.5	1,579	55,236	1.960

ACCURATE NO. 9

275	BARNES	XPB	34.2	1,845	38.0	2,050	53,000	2.085
300	HDY	FTX	38.6	1,815	45.4	2,099	55,363	2.175
300 (P)	RAIN	FP	37.9	1,777	44.6	1,977	44,755	2.005
335 (P)	RAIN	HP	37.6	1,773	41.8	1,909	54,597	1.960
350	HDY	XTP	37.6	1,749	41.8	1,878	54,823	1.980
350	SIERRA	JHP	38.1	1,726	42.3	1,868	54,727	2.050
350 (L)	MBW	LFNGC	35.1	1,676	44.3	1,917	53,178	1.950
370 (L)	CP	WFNGC	35.2	1,656	41.5	1,874	55,772	1.995
375	BARNES	XPB	29.0	1,460	32.5	1,650	57,000	2.292
400	BARNES	FNFB	29.3	1,496	34.4	1,673	54,478	2.030
400	SIERRA	JSP	31.5	1,527	37.0	1,669	53,125	2.045
410 (L)	MBW	LFNGC	34.9	1,604	38.8	1,718	54,136	2.085
440 (L)	MBW	LFNGC	31.0	1,475	36.4	1,626	54,288	2.105
440 (L)	CP	WFNGC	28.1	1,463	33.0	1,602	54,877	2.005
450 (L)	MBW	LFNGC	27.9	1,420	32.8	1,592	54,309	1.995
450 (L)	MTB	LFNGC	28.2	1,463	33.1	1,597	55,177	2.050
500	HDY	XTP	25.3	1,257	29.7	1,403	50,694	2.070

ACCURATE 4100

275 (P)	RAIN	HP	42.4	1,822	49.9	2,111	47,218	1.965
300	HDY	FTX	41.4	1,829	48.7	2,130	55,209	2.175
300 (P)	RAIN	FP	42.5	1,824	50.0	2,085	52,022	2.005
325	BARNES	XPB	38.0	1,680	42.0	1,820	57,000	2.292
335 (P)	RAIN	HP	38.3	1,718	45.0	1,930	52,267	1.960
350	HDY	XTP	38.2	1,685	45.0	1,914	55,002	1.980
350	SIERRA	JHP	39.6	1,686	46.5	1,916	54,623	2.050
350 (L)	MBW	LFNGC	38.7	1,706	45.5	1,979	54,345	1.950
370 (L)	CP	WFNGC	37.8	1,670	44.4	1,898	55,069	1.995
375	BARNES	XPB	33.0	1,475	37.5	1,665	57,000	2.292
400	BARNES	FNFB	32.8	1,545	38.5	1,718	55,248	2.030
400	SIERRA	JSP	38.3	1,632	42.0	1,749	54,416	2.045
410 (L)	MBW	LFNGC	35.1	1,531	41.3	1,744	54,917	2.085
440 (L)	MBW	LFNGC	33.4	1,476	39.4	1,659	54,730	2.105
440 (L)	CP	WFNGC	32.0	1,512	37.6	1,676	56,024	2.005
450 (L)	MBW	LFNGC	31.7	1,486	37.2	1,661	54,718	1.995
450 (L)	MTB	LFNGC	31.0	1,466	36.4	1,639	54,978	2.050
500	HDY	XTP	28.3	1,306	33.2	1,466	52,301	2.070

RAMSHOT ENFORCER

275 (P)	RAIN	HP	42.4	1,822	49.9	2,111	47,218	1.965
300	HDY	FTX	41.4	1,829	48.7	2,130	55,209	2.175

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)
300 (P)	RAIN	FP	42.5	1,824	50.0	2,085	52,022	2.005
325	BARNES	XPB	38.0	1,680	42.0	1,820	57,000	2.292
335 (P)	RAIN	HP	38.3	1,718	45.0	1,930	52,267	1.960
350	HDY	XTP	38.2	1,685	45.0	1,914	55,002	1.980
350	SIERRA	JHP	39.6	1,686	46.5	1,916	54,623	2.050
350 (L)	MBW	LFNGC	38.7	1,706	45.5	1,979	54,345	1.950
370 (L)	CP	WFNGC	37.8	1,670	44.4	1,898	55,069	1.995
375	BARNES	XPB	33.0	1,475	37.5	1,665	57,000	2.292
400	BARNES	FNFB	32.8	1,545	38.5	1,718	55,248	2.030
400	SIERRA	JSP	38.3	1,632	42.0	1,749	54,416	2.045
410 (L)	MBW	LFNGC	35.1	1,531	41.3	1,744	54,917	2.085
440 (L)	MBW	LFNGC	33.4	1,476	39.4	1,659	54,730	2.105
440 (L)	CP	WFNGC	32.0	1,512	37.6	1,676	56,024	2.005
450 (L)	MBW	LFNGC	31.7	1,486	37.2	1,661	54,718	1.995
450 (L)	MTB	LFNGC	31.0	1,466	36.4	1,639	54,978	2.050
500	HDY	XTP	28.3	1,306	33.2	1,466	52,301	2.070

ACCURATE NO. 11 FS

300	HDY	FTX	43.1	1,849	49.6	2,095	55,114	2.175
350	SIERRA	JHP	40.3	1,661	46.3	1,882	55,036	2.050
370 (L)	TS	WNFPGC	40.5	1,676	46.6	1,919	55,989	2.000
375	BARNES	XPB	36.0	1,544	39.9	1,695	56,683	2.292
410 (L)	MBW	LFNGC	37.1	1,521	43.7	1,759	55,442	2.085
440 (L)	MBW	LFNGC	36.7	1,474	42.2	1,682	55,792	2.105
450 (L)	MBW	LFNGC	33.7	1,461	38.7	1,661	55,953	1.995
500	HDY	XTP	29.6	1,307	32.9	1,441	56,586	2.070

ACCURATE 5744

275 (P)	RAIN	HP	46.5	1,771	54.7	2,079	51,332	1.965
300	HDY	FTX	40.8	1,576	48.0	1,847	43,241	2.175
300 (P)	RAIN	FP	45.2	1,691	53.2	2,003	51,635	2.005
335 (P)	RAIN	HP	41.7	1,585	49.0	1,880	53,007	1.960
350	HDY	XTP	42.0	1,599	49.4	1,868	53,611	1.980
350	SIERRA	JHP	43.3	1,620	51.0	1,892	54,610	2.050
350 (L)	MBW	LFNGC	40.4	1,379	47.5	1,831	48,921	1.950
370 (L)	CP	WFNGC	41.3	1,573	48.6	1,833	54,215	1.995
400	BARNES	FNFB	36.8	1,408	43.2	1,662	53,216	2.030
400	SIERRA	JSP	39.7	1,484	46.7	1,743	54,267	2.045
410 (L)	MBW	LFNGC	40.1	1,508	47.2	1,753	54,731	2.085
440 (L)	MBW	LFNGC	38.1	1,435	44.8	1,669	54,313	2.105
440 (L)	CP	WFNGC	36.3	1,425	42.7	1,655	55,368	2.005
450 (L)	MBW	LFNGC	34.8	1,374	40.9	1,596	51,260	1.995
450 (L)	MTB	LFNGC	35.8	1,401	42.1	1,641	54,728	2.050
500	HDY	XTP	33.9	1,276	39.9	1,503	52,339	2.070

ACCURATE 1680

300	HDY	FTX	48.5	1,661	53.9	1,852	34,967	2.175
350	HDY	XTP	48.2	1,626	53.6	1,820	42,745	1.980
350	SIERRA	JHP	50.1	1,651	55.7	1,849	43,163	2.050
350 (L)	MBW	LFNGC	47.0	1,635	52.3	1,837	39,105	1.950
370 (L)	CP	WFNGC	47.4	1,628	52.7	1,826	41,551	1.995
375	BARNES	XPB	38.0	1,250	42.0	1,450	36,500	2.292
400	BARNES	FNFB	40.3	1,451	44.8	1,582	41,316	2.030
400	SIERRA	JSP	45.0	1,506	50.0	1,699	43,819	2.045
410 (L)	MBW	LFNGC	47.5	1,637	52.8	1,813	48,758	2.085
440 (L)	MBW	LFNGC	44.7	1,541	49.7	1,722	47,546	2.105
440 (L)	CP	WFNGC	42.7	1,540	47.5	1,701	47,748	2.005
450 (L)	MBW	LFNGC	39.4	1,441	43.7	1,619	44,661	1.995
450 (L)	MTB	LFNGC	42.2	1,537	46.9	1,697	51,016	2.050
500	HDY	FP/XTP	39.4	1,405	43.7	1,533	54,709	2.070

REDUCED LOADS - NO OTHER LOAD RECOMMENDED

ACCURATE NO. 2

300	HDY	FTX	21.1	1,560				2.175
350	HDY	XTP	19.7	1,421				1.980
350	SIERRA	JHP	20.4	1,419				2.050
400	BARNES	FNFB	17.0	1,224				2.030
400	SIERRA	JSP	18.2	1,266				2.045
500	HDY	FP/XTP	15.9	1,082				2.070

HANDGUN DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
500 S&W (continued)									
ACCURATE 5744									
275 (P)	RAIN	HP	36.1	1,381				1.965	
300	HDY	FTX	33.5	1,302				2.175	
300 (P)	RAIN	FP	36.9	1,365				2.005	
335 (P)	RAIN	HP	33.3	1,249				1.960	
350	HDY	XTP	32.8	1,264				1.980	
350	SIERRA	JHP	34.0	1,286				2.050	
370 (L)	CP	WFNGC	32.8	1,268				1.995	
400	BARNES	FNFB	28.9	1,100				2.030	
400	SIERRA	JSP	31.8	1,192				2.045	
410 (L)	MBW	LFNGC	31.4	1,208				2.085	
440 (L)	MBW	LFNGC	29.1	1,121				2.105	
440 (L)	CP	WFNGC	28.4	1,145				2.005	
450 (L)	MBW	LFNGC	26.7	1,080				1.995	
450 (L)	MTB	LFNGC	27.0	1,069				2.050	
500	HDY	XTP	26.6	996				2.070	

500 LINEBAUGH

Barrel: 7.87" | Twist: 1-18" | Primer: CCI 350 | Bullet Diameter: 0.511"
Case: STAR | Max Case Length: 1.405" | Trim Length: 1.400"

ACCURATE NO. 9

350	CE	RAPTOR	21.8	1,208	24.3	1,326	33,419	1.775
350 (L)	CP	WFNGC	26.6	1,337	29.5	1,485	34,120	1.737
410	CE	SLD	20.6	1,072	22.9	1,193	32,967	1.775
435 (L)	CP	WFNGC	23.9	1,192	26.5	1,324	34,170	1.742
520 (L)	CP	LFNGC	19.8	1,027	22.0	1,141	34,040	1.860
525 (L)	CP	WFNGC	18.2	980	20.2	1,089	34,330	1.793

ACCURATE 4100

350	CE	RAPTOR	24.7	1,216	27.3	1,337	32,934	1.775
350 (L)	CP	WFNGC	27.2	1,315	30.2	1,461	30,978	1.737
410	CE	SLD	23.9	1,157	26.5	1,267	33,171	1.775

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
435 (L)	CP	WFNGC	24.3	1,189	27.0	1,321	33,667	1.742	
520 (L)	CP	LFNGC	20.6	1,027	22.8	1,141	33,657	1.860	
525 (L)	CP	WFNGC	18.9	992	21.0	1,102	33,973	1.793	

RAMSHOT ENFORCER

350	CE	RAPTOR	24.7	1,216	27.4	1,345	33,376	1.775
350 (L)	CP	WFNGC	27.4	1,328	30.4	1,476	31,450	1.737
410	CE	SLD	23.9	1,157	26.6	1,271	33,427	1.775
435 (L)	CP	WFNGC	24.5	1,201	27.2	1,334	34,180	1.742
520 (L)	CP	LFNGC	20.7	1,038	23.0	1,153	34,170	1.860
525 (L)	CP	WFNGC	19.0	1,002	21.1	1,113	34,490	1.793

ACCURATE 5744

350 (L)	CP	WFNGC	32.4	1,253	36.0	1,392	34,288	1.737
410	CE	SLD	25.6	907	28.4	1,060	32,961	1.775
435 (L)	CP	WFNGC	28.4	1,118	31.6	1,242	34,290	1.742
520 (L)	CP	LFNGC	24.0	972	26.7	1,080	34,140	1.860
525 (L)	CP	WFNGC	21.6	908	24.0	1,009	33,710	1.793

500 MAXIMUM

Barrel: 7.87" | Twist: 1-18" | Primer: CCI 350 | Bullet Dia: 0.511"
Case: STAR | Max Case Length: 1.605" | Trim Length: 1.600"

RAMSHOT ENFORCER

350 (L)	CP	WFNGC	35.6	1,487	39.5	1,652	34,660	1.935
435 (L)	CP	WFNGC	29.2	1,275	32.4	1,417	33,640	1.975
525 (L)	CP	WFNGC	23.0	1,071	25.5	1,190	33,310	2.000

ACCURATE 5744

350 (L)	CP	WFNGC	38.2	1,358	42.4	1,509	33,880	1.935
435 (L)	CP	WFNGC	33.8	1,204	37.5	1,338	33,510	1.975
525 (L)	CP	WFNGC	27.0	1,023	30.0	1,137	33,710	2.000

ACCURATE 1680

435 (L)	CP	WFNGC	45.0	1,399	50.0	1,554	33,610	1.975
525 (L)	CP	WFNGC	34.0	1,159	37.8	1,288	33,750	2.000

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RIFLE LOAD DATA

(For a complete list of Powder Burn Rates, see the chart on page 120.)

RIFLE - POWDER TO CARTRIDGE REFERENCE LIST

Powders listed fast to slow → Accurate No. 9 Accurate 4100 Ramshot Enforcer Accurate 5744 Accurate 1680 Accurate LT-30 Accurate LT-32 Accurate 2200 Accurate 2230 Ramshot X-Term. Accurate 2460 Accurate 2495 Ramshot TAC Accurate 2520 Accurate 4064 Ramshot Big Game Accurate 2700 Accurate 4350 Ramshot Hunter Accurate MagPro Accurate Ramshot Magnum Accurate Ramshot LRT

	SP	SP	SP	EXT	SP	EXT	EXT	SP	EXT	SP	SP	SP	EXT	SP	SP	EXT	SP	SP	EXT	SP	SP	SP	
17 Hornet				X	X	X	X	X															
17 Rem. Fireball						X	X	X	X	X	X	X		X	X								
17 Remington											X		X	X	X		X						
20 Vartarg				X		X	X	X		X	X												
20 Vartarg Turbo								X	X	X	X												
20 Tactical									X	X	X			X	X								
204 Ruger				X			X		X	X	X	X	X	X	X								
20 PPC													X	X	X		X						
20 BR													X	X	X	X	X	X					
22 Hornet				X	X	X																	
218 Bee					X																		
221 Fireball					X																		
222 Remington				X		X	X	X	X	X	X	X		X	X								
223 Remington				X		X	X	X	X	X	X	X	X	X	X								
222 Rem. Mag.									X	X		X			X								
219 Zipper								X	X		X	X							X				
22 Valkyrie								X			X	X		X	X	X	X	X					
22 Nosler						X	X	X	X	X	X	X	X	X	X	X	X	X					
225 Winchester									X	X		X	X		X								
22-250 Rem.											X		X	X	X	X	X	X					
220 Swift																X	X	X		X			
223 WSSM																X	X	X	X	X			
6mm x 45								X		X	X												
6mm PPC				X		X	X	X	X	X	X	X	X	X	X								
6mm BR Rem.									X	X		X	X		X								
6mm BR Norma						X	X	X	X				X			X							
6mm XC																	X	X	X				
6MM Creedmoor																X	X	X	X	X	X	X	X
243 Winchester																X	X	X	X	X	X	X	X
6mm Remington																X	X	X	X	X			X
243 WSSM																X		X	X	X			X
240 Wby. Mag.																			X		X		
256 Win. Mag.					X				X														
25-35 Win.													X		X				X				
250-3000 Savage									X	X		X	X		X	X		X	X				
257 Roberts & +P															X	X	X	X	X	X			X
257 Roberts AI																		X	X				
25 WSSM																X	X	X		X			
25-06 Remington																			X	X	X	X	
257 Wby. Mag.				X															X		X	X	X
6.5 Grendel						X	X	X		X	X	X		X	X								
6.5mmx50 Ariska													X					X	X				
6.5mmx47 Lapua															X	X	X	X					
6.5 Creedmoor																X	X	X	X	X			
260 Remington																	X	X	X	X			
6.5x55 Swede																	X	X	X	X	X	X	X
6.5x284 Win.																			X	X	X		
6.5x284 Norma				X															X		X	X	X
6.5 Rem. Mag.																		X	X				
6.5 PRC				X															X		X	X	X
264 Win. Mag.																				X	X		
6.8 SPC				X	X	X		X	X	X	X										X	X	
270 Winchester																	X	X	X	X	X	X	X
270 WSM				X												X		X	X	X	X	X	X
270 Wby. Mag.																			X				
7mm-30 Waters								X	X		X	X		X	X	X							

Spherical (SP) Extruded (EXT)

Continued on next page

RIFLE - POWDER TO CARTRIDGE REFERENCE LIST Continued

	→ Accurate 4100			Accurate 5744			Accurate LT-32			Accurate 2200			Accurate 2230			Ramshot X-Term.			Ramshot TAC			Accurate 4064			Accurate 2700			Ramshot Hunter			Ramshot Magnum						
	SP	SP	SP	EXT	SP	EXT	EXT	SP	EXT	SP	EXT	SP	SP	EXT	SP	SP	EXT	SP	SP	EXT	SP	SP	EXT	SP	SP	EXT	SP	SP	EXT	SP	SP	EXT	SP				
7x57mm Mauser																				X		X															
7mm-08 Rem.				X										X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
284 Winchester																						X	X														
280 Remington																						X	X	X	X	X	X	X	X	X	X	X	X	X			
7mm RSAUM																						X	X	X	X	X	X	X	X	X	X	X	X	X			
7mm Rem. Mag.																							X	X	X	X	X	X	X	X	X	X	X	X	X		
7mm WSM				X																			X	X	X	X	X	X	X	X	X	X	X	X	X		
7mm STW																																			X	X	
28 Nosler																																			X	X	
30 M1 Carbine	X	X	X																																		
300 AAC Blackout		X	X	X	X	X																															
300 HAM'R					X																																
30 BR Remington						X																															
30-30 Win.				X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
30 Remington AR				X				X		X	X																										
300 Savage										X	X		X	X			X						X	X													
307 Winchester										X	X		X	X			X																				
308 Marlin Express										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
30 T/C										X	X	X	X			X	X																				
308 Winchester				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
30-06 Springfield				X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
300 H&H Mag.																								X													
300 RCM																						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
300 RSAUM				X																		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
300 WSM				X																		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
308 Norma Mag.																																					
300 Win. Mag.																							X	X	X	X	X	X	X	X	X	X	X	X	X	X	
300 PRC				X																																	
300 Wby. Mag.																																				X	X
30 Nosler																																				X	X
300 Norma Mag.																																				X	X
300 RUM																																			X	X	
7.62x39 Russian				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7.65x53 Mauser										X	X		X	X			X					X	X														
303 British										X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
7.7x58 Arisaka																																					
7.62x54R Russian																																					
8x57mm JS														X		X	X					X															
8mm-06										X	X		X	X			X									X	X										
325 WSM																						X	X	X													
8mm Rem. Mag.																																				X	X
338 Federal				X						X	X	X				X																					
338-06										X	X		X	X			X								X	X											
338 RCM																X	X					X															
338 Win. Mag.																							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
340 Wby. Mag.																									X	X											
338 RUM																																				X	X
338 Lapua																																		X	X	X	X
348 Winchester				X																				X	X												
356 Winchester										X	X		X	X			X							X													
35 Remington				X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
358 Winchester				X						X	X		X	X			X							X													
35 Whelen				X						X	X		X	X			X																				
375 Ruger																							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
375 H&H Mag.																X						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
375 RUM				X																				X	X	X	X	X	X	X	X	X	X	X	X	X	X
416 Rem. Mag.														X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
444 Marlin				X						X	X	X	X			X																					
450 Bushmaster	X	X	X	X	X																																
458 SOCOM		X	X	X	X									X	X																						
45-70 Government				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
458 Win. Mag.				X						X	X	X	X																								
458 Lott											X											X															
550 Magnum				X						X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

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RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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17 HORNET

Barrel: 24" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter: 0.172"
Case: HDY | Max Case Length: 1.350" | Trim Length: 1.340"

ACCURATE 5744

20	HDY	V-MAX	10.1	3,097	11.2	3,412	47,498	1.711	C
20	NOSLER	VARMGT	10.1	3,106	11.2	3,424	49,018	1.720	
25	BERGER	VAR	9.5	2,828	10.5	3,125	49,674	1.720	
25	HDY	V-MAX	9.4	2,786	10.5	3,070	49,298	1.711	

ACCURATE 1680

20	HDY	V-MAX	10.0	3,183	11.2	3,493	49,657	1.711	
20	NOSLER	VARMGT	10.1	3,203	11.2	3,483	49,354	1.720	
25	BERGER	VAR	9.0	2,862	9.8	3,041	49,156	1.720	
25	HDY	V-MAX	9.0	2,724	10.0	2,983	49,046	1.711	

ACCURATE LT-30

20	HDY	V-MAX	10.8	3,093	12.0	3,404	47,324	1.711	C
20	NOSLER	VARMG	10.9	3,139	12.1	3,423	47,685	1.720	C
25	BERGER	VAR	9.9	2,771	11.0	3,071	49,768	1.720	C
25	HDY	V-MAX	10.3	2,801	11.4	3,093	49,868	1.711	C

ACCURATE LT-32

25	BERGER	VAR	10.4	2,789	11.6	3,083	49,768	1.720	C
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ACCURATE 2200

20	HDY	V-MAX	11.7	3,203	13.0	3,553	49,669	1.711	C
20	NOSLER	VARMGT	11.9	3,297	13.2	3,606	49,934	1.720	C
25	BERGER	VAR	10.8	2,946	12.1	3,235	49,267	1.720	
25	HDY	V-MAX	11.2	2,930	12.4	3,223	48,714	1.711	C

17 REMINGTON FIREBALL

Barrel: 24" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter: 0.172"
Case: REM | Max Case Length: 1.400" | Trim Length: 1.390"

ACCURATE LT-30

20	HDY	V-MAX	15.4	3,684	17.1	4,014	54,926	1.810	
20	NOSLER	VARMG	15.9	3,779	17.6	4,092	54,926	1.800	
25	BERGER	HP	14.6	3,405	16.2	3,695	54,598	1.800	
25	HDY	V-MAX	14.7	3,362	16.4	3,654	54,867	1.770	

ACCURATE LT-32

20	HDY	V-MAX	16.2	3,722	18.0	4,023	54,938	1.810	
20	NOSLER	VARMG	16.8	3,745	18.7	4,131	54,972	1.800	
25	BERGER	HP	15.3	3,411	17.0	3,670	54,856	1.800	
25	HDY	V-MAX	15.6	3,346	17.4	3,651	54,729	1.770	

ACCURATE 2200

20	NOSLER	VARMG	17.2	3,821	19.1	4,175	53,518	1.800	
25	HDY	V-MAX	16.1	3,428	17.8	3,742	54,827	1.770	

ACCURATE 2015

20	HDY	V-MAX	16.7	3,541	18.5	3,934	53,010	1.808	C
20	NOSLER	VARMG	16.8	3,554	18.7	3,933	49,752	1.800	C
25	BERGER	HP	16.1	3,345	17.9	3,677	54,681	1.800	C
25	HDY	V-MAX	15.9	3,248	17.7	3,609	53,960	1.808	

RAMSHOT X-TERMINATOR

20	HDY	V-MAX	18.3	3,754	20.3	4,171	52,930	1.808	C
25	HDY	V-MAX	17.3	3,419	19.2	3,799	53,250	1.808	

ACCURATE 2230

20	HDY	V-MAX	18.3	3,754	20.3	4,171	52,930	1.808	C
25	HDY	V-MAX	17.3	3,419	19.2	3,799	53,250	1.808	

ACCURATE 2460

20	HDY	V-MAX	18.5	3,677	20.5	4,086	52,660	1.808	C
25	HDY	V-MAX	17.5	3,392	19.4	3,769	53,150	1.808	

RAMSHOT TAC

20	HDY	V-MAX	18.6	3,651	20.7	4,057	52,300	1.808	C
25	HDY	V-MAX	17.6	3,392	19.5	3,769	53,920	1.808	

ACCURATE 2520

20	HDY	V-MAX	18.9	3,560	21.0	3,955	44,540	1.808	C
25	HDY	V-MAX	18.6	3,399	20.7	3,777	51,840	1.808	C

17 REMINGTON

Barrel: 24" | Twist: 1-10" | Primer: FED 205 | Bullet Diameter: 0.172"
Case: REM | Max Case Length: 1.796" | Case Trim Length: 1.786"

RAMSHOT X-TERMINATOR

20	HDY	V-MAX	19.0	3,750	21.5	4,035	59,500	2.150	
25	HDY	HP	18.5	3,550	21.0	3,800	60,000	2.150	

RAMSHOT TAC

20	HDY	V-MAX	20.0	3,650	23.0	4,050	61,000	2.150	
25	HDY	HP	19.5	3,450	22.3	3,810	61,100	2.150	

ACCURATE 2495

25	HDY	HP	20.7	3,569	23.0	4,056	60,298	2.170	
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ACCURATE 2520

25	HDY	HP	20.4	3,496	22.7	3,973	60,888	2.170	
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ACCURATE 4064

25	HDY	HP	21.6	3,560	24.0	4,045	59,118	2.170	
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ACCURATE 2700

25	HDY	HP	25.7	3,838	27.0	4,083	58,882	2.170	C
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20 VARTARG

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: REM | Max Case Length: 1.400" | Trim Length: 1.395"

ACCURATE 5744

24	HDY	NTX	14.2	3,127	19.0	4,065	60,386	1.835	C
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ACCURATE LT-30

24	HDY	NTX	17.4	3,608	19.3	3,990	59,349	1.835	C
32	SIERRA	BK	16.6	3,281	18.5	3,636	60,194	1.855	C
32	NOSLER	BTLF	16.2	3,188	18.0	3,517	60,794	1.855	C
40	HDY	V-MAX	15.2	2,989	16.9	3,252	60,709	1.825	C

ACCURATE LT-32

32	NOSLER	BTLF	16.9	3,142	18.7	3,490	58,053	1.855	C
40	HDY	V-MAX	16.4	3,011	18.2	3,302	58,007	1.825	C

ACCURATE 2200

24	HDY	NTX	18.9	3,725	21.0	4,077	59,682	1.835	C
32	SIERRA	BK	18.0	3,377	20.0	3,758	60,928	1.855	C
32	NOSLER	BTLF	17.6	3,262	19.6	3,632	60,876	1.855	C
40	HDY	V-MAX	16.8	3,072	18.7	3,398	60,942	1.825	

RAMSHOT X-TERMINATOR

32	SIERRA	BK	18.4	3,200	20.4	3,556	51,383	1.855	C
40	HDY	V-MAX	17.8	3,021	19.8	3,356	56,000	1.825	C

ACCURATE 2230

32	SIERRA	BK	18.1	3,182	20.1	3,535	54,000	1.855	C
40	HDY	V-MAX	17.5	2,982	19.4	3,291	58,000	1.825	C

20 VARTARG TURBO

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: REM | Max Case Length: 1.610" | Trim Length: 1.600"

ACCURATE 2200

40	HDY	V-MAX	19.6	3,292	21.8	3,640	59,729	2.030	
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ACCURATE 2015

32	SIERRA	BK	20.1	3,322	22.3	3,649	53,900	2.000	C
40	HDY	V-MAX	19.9	3,246	22.1	3,528	62,875	2.030	C

RAMSHOT X-TERMINATOR

32	SIERRA	BK	22.1	3,560	24.6	3,935	58,000	2.000	C
40	HDY	V-MAX	21.6	3,401	24.0	3,701	63,000	2.030	C

ACCURATE 2230

32	SIERRA	BK	22.1	3,663	24.5	3,954	62,910	2.000	C
40	HDY	V-MAX	21.4	3,349	23.7	3,659	62,875	2.030	C

20 TACTICAL

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: REM | Max Case Length: 1.760" | Trim Length: 1.750"

ACCURATE 2015

32	SIERRA	BK	22.8	3,548	25.4	3,886	63,000	2.200	C
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RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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20 TACTICAL (continued)

ACCURATE 2015 (continued)

40	HDY	V-MAX	21.3	3,204	23.7	3,553	62,900	2.240	
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RAMSHOT X-TERMINATOR

32	SIERRA	BK	24.0	3,733	26.6	4,035	63,000	2.200	
40	HDY	V-MAX	22.2	3,427	24.7	3,697	63,000	2.240	

ACCURATE 2230

32	SIERRA	BK	23.6	3,671	26.2	3,975	62,975	2.200	
40	HDY	V-MAX	22.2	3,373	24.7	3,628	62,900	2.240	

RAMSHOT TAC

32	SIERRA	BK	24.3	3,666	27.0	3,997	62,900	2.200	
40	HDY	V-MAX	23.2	3,448	25.7	3,708	63,025	2.240	
50	BERGER	BTV	22.1	3,118	24.6	3,374	62,870	2.240	

ACCURATE 2520

32	SIERRA	BK	25.2	3,795	28.0	4,074	62,870	2.200	C
40	HDY	V-MAX	24.3	3,550	27.0	3,835	62,980	2.240	C
50	BERGER	BTV	22.5	3,124	25.0	3,426	62,965	2.240	

204 RUGER

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: REM | Max Case Length: 1.850" | Trim Length: 1.840"

ACCURATE 5744

24	HDY	NTX	18.7	3,455	25.0	4,395	57,481	2.245	
32	HDY	V-MAX	17.6	3,178	23.4	3,978	57,341	2.250	

ACCURATE LT-32

24	HDY	NTX	23.1	3,869	25.6	4,241	57,382	2.245	
26	BARNES	VG	21.9	3,610	24.3	3,974	57,498	2.250	
32	HDY	V-MAX	21.5	3,532	23.9	3,798	57,349	2.250	
32	NOSLER	BTLF	19.8	3,370	22.0	3,633	57,454	2.250	

ACCURATE 2015

32	SIERRA	BK	23.9	3,490	26.5	3,878	57,300	2.250	
39	SIERRA	BK	22.5	3,188	25.0	3,543	59,100	2.260	

RAMSHOT X-TERMINATOR

26	BARNES	VG	26.7	4,050	29.7	4,435	59,350	2.250	
32	HDY	V-MAX	24.7	3,564	27.5	3,960	56,300	2.250	
40	HDY	V-MAX	23.4	3,270	26.0	3,633	56,300	2.260	

ACCURATE 2230

26	BARNES	VG	26.7	4,050	29.7	4,435	59,350	2.250	
32	HDY	V-MAX	24.7	3,564	27.5	3,960	56,300	2.250	
40	HDY	V-MAX	23.4	3,270	26.0	3,633	56,300	2.260	

ACCURATE 2460

24	HDY	NTX	27.1	4,051	30.1	4,410	56,208	2.245	
26	BARNES	VG	25.7	3,917	28.6	4,208	57,499	2.250	
32	HDY	V-MAX	25.3	3,652	28.1	3,968	57,472	2.250	
32	NOSLER	BTLF	24.7	3,586	27.4	3,887	57,461	2.250	
39	SIERRA	BK	24.5	3,379	27.2	3,675	57,488	2.260	

RAMSHOT TAC

26	BARNES	VG	27.5	3,988	30.5	4,415	59,550	2.250	
32	SIERRA	BK	26.0	3,700	28.5	4,100	58,100	2.250	
40	HDY	V-MAX	24.0	3,300	27.0	3,680	56,000	2.250	

ACCURATE 2495

32	HDY	V-MAX	25.2	3,560	28.0	3,867	57,249	2.250	C
32	NOSLER	BTLF	21.7	3,403	24.1	3,644	57,428	2.250	

ACCURATE 2520

26	BARNES	VG	28.8	4,030	32.0	4,466	59,260	2.250	C
32	HDY	V-MAX	26.6	3,680	29.5	4,089	59,000	2.250	
40	HDY	V-MAX	25.2	3,386	28.0	3,762	59,900	2.260	

20 PPC (59,000 PSI STANDARD LOADS)

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: NORMA | Max Case Length: 1.505" | Trim Length: 1.495"

ACCURATE 2495

32	SIERRA	BK	25.8	3,692	28.7	3,966	57,950	1.947	C
40	HDY	V-MAX	24.9	3,423	27.7	3,719	57,900	1.955	C
50	BERGER	BTV	22.2	3,031	24.7	3,305	57,875	1.995	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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RAMSHOT TAC

32	SIERRA	BK	26.3	3,915	29.2	4,143	57,000	1.947	
40	HDY	V-MAX	24.8	3,447	27.5	3,780	57,000	1.955	

ACCURATE 2520

32	SIERRA	BK	27.9	3,822	31.0	4,243	58,000	1.947	C
40	HDY	V-MAX	26.3	3,590	29.2	3,925	57,925	1.955	C
50	BERGER	BTV	24.4	3,233	27.1	3,527	57,975	1.995	

RAMSHOT BIG GAME

50	BERGER	BTV	27.3	3,241	30.3	3,547	58,000	1.995	C
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20 PPC (63,000 PSI)

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: NORMA | Max Case Length: 1.505" | Trim Length: 1.495"

ACCURATE 2495

50	BERGER	BTV	22.2	3,031	25.3	3,375	62,975	1.995	
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RAMSHOT TAC

32	SIERRA	BK	26.7	3,943	29.7	4,176	63,000	1.947	
40	HDY	V-MAX	25.5	3,532	28.3	3,883	62,900	1.955	

ACCURATE 2520

50	BERGER	BTV	25.0	3,293	27.8	3,598	62,950	1.995	
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20 BR (59,000 PSI)

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: REM | Max Case Length: 1.550" | Trim Length: 1.540"

ACCURATE 2495

32	SIERRA	BK	27.9	3,775	31.0	4,085	57,950	1.992	C
40	HDY	V-MAX	27.0	3,636	30.0	3,761	57,900	2.000	
50	BERGER	BTV	24.5	3,159	27.2	3,405	57,875	2.020	

RAMSHOT TAC

32	SIERRA	BK	28.2	3,827	31.4	4,194	58,000	1.992	
40	HDY	V-MAX	27.2	3,581	30.2	3,901	57,925	2.000	

ACCURATE 2520

32	SIERRA	BK	29.2	3,899	32.5	4,304	58,000	1.992	
40	HDY	V-MAX	27.6	3,662	30.7	3,952	57,925	2.000	

ACCURATE 4064

40	HDY	V-MAX	28.3	3,498	31.4	3,834	57,975	2.000	C
50	BERGER	BTV	26.4	3,188	29.3	3,468	57,850	2.020	

RAMSHOT BIG GAME

40	HDY	V-MAX	31.0	3,588	34.4	3,931	58,100	1.992	C
50	BERGER	BTV	28.3	3,293	31.4	3,550	57,900	2.020	

ACCURATE 2700

50	BERGER	BTV	29.9	3,228	33.3	3,563	57,825	2.020	C
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20 BR (63,000 PSI)

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.204"
Case: REM | Max Case Length: 1.550" | Trim Length: 1.540"

RAMSHOT TAC

32	SIERRA	BK	28.9	3,903	32.1	4,285	62,900	1.992	
40	HDY	V-MAX	28.0	3,669	31.2	4,004	62,920	2.000	

ACCURATE 2495

32	SIERRA	BK	28.9	3,873	32.1	4,200	62,950	1.992	C
40	HDY	V-MAX	28.2	3,685	31.3	3,816	62,900	2.000	C
50	BERGER	BTV	25.5	3,243	28.3	3,504	63,000	2.020	

ACCURATE 2520

32	SIERRA	BK	29.9	3,972	33.2	4,392	62,910	1.992	
40	HDY	V-MAX	28.4	3,662	31.6	4,035	62,550	2.000	

RAMSHOT BIG GAME

50	BERGER	BTV	29.4	3,388	32.7	3,664	63,000	2.020	C
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22 HORNET

Barrel: 20" | Twist: 1-14" | Primer: REM 6 ½ | Bullet Diameter: 0.224"
Case: REM | Max Case Length: 1.403" | Trim Length: 1.393"

RAMSHOT ENFORCER

40	BARNES	VLC	8.1	2,320	9.0	2,578	42,350	1.720	
40	HDY	V-MAX	8.1	2,251	9.0	2,501	37,740	1.720	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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22 HORNET *(continued)*

RAMSHOT ENFORCER *(continued)*

40	NOSLER	B-TIP	8.1	2,298	9.0	2,553	42,100	1.720	
50	HDY	SPSX	7.7	2,138	8.5	2,375	42,500	1.720	

ACCURATE NO. 11 FS

35	HDY	V-MAX	10.7	2,731	12.6	3,101	46,862	1.723	
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ACCURATE 5744

40	NOSLER	B-TIP	9.2	2,092	9.8	2,307	41,300	1.855	
40	SIERRA	HORNET	8.7	1,943	9.7	2,208	43,000	1.715	
50	HDY	SPSX	8.1	1,717	9.0	1,951	42,400	1.780	

ACCURATE 1680

35	HDY	V-MAX	12.1	2,516	13.5	2,860	41,900	1.775	C
40	SIERRA	HORNET	12.6	2,451	14.0	2,785	43,000	1.715	C
45	NOSLER	HORNET	11.1	2,194	12.3	2,493	40,700	1.720	C
50	HDY	SPSX	10.4	2,105	11.5	2,392	42,200	1.780	

218 BEE

Barrel: 24" | Twist: 1-14" | Primer: REM 7 1/2 | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 1.345" | Trim Length: 1.335"

ACCURATE 1680

CUP

35	HDY	V-MAX*	13.5	2,632	15.0	2,992	40,000	1.680	
40	SIERRA	HORNET*	13.5	2,463	15.0	2,799	34,700	1.760	
44 (L)	LYMAN	#225438	9.9	1,976	11.0	2,246	30,100	1.615	
45	HDY	HP 'Bee'	12.6	2,350	14.0	2,670	39,800	1.610	
46	SPEER	FN	12.6	2,339	14.0	2,658	38,600	1.670	
50	HDY	SPSX*	11.7	2,165	13.0	2,461	36,600	1.780	

* Indicates pointed bullets inappropriate for tube-fed rifles.

221 FIREBALL

Barrel: 24" | Twist: 1-14" | Primer: REM 7 1/2 | Bullet Diameter: 0.224"
Case: REM | Max Case Length: 1.400" | Trim Length: 1.390"

ACCURATE 1680

35	HDY	V-MAX	16.8	3,092	18.7	3,514	51,700	1.775	
40	NOSLER	B-TIP	18.4	3,152	20.5	3,582	51,700	1.900	
45	NOSLER	HORNET	16.5	2,819	18.3	3,203	51,300	1.765	
50	HDY	SPSX	16.0	2,691	17.8	3,058	51,500	1.825	
55	NOSLER	B-TIP	15.3	2,600	17.0	2,950	52,000	1.850	

222 REMINGTON

Barrel: 24" | Twist: 1-14" | Primer: REM 7 1/2 | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 1.700" | Trim Length: 1.690"

ACCURATE 5744

35	NOSLER	BTLF	16.5	2,921	20.7	3,599	49,968	2.180	
40	NOSLER	B-TIP	18.4	3,125	20.4	3,448	49,687	2.180	
40	NOSLER	BTLF	18.0	3,087	20.0	3,409	49,993	2.200	
45	BARNES	TSX	17.8	2,987	19.8	3,293	49,968	2.130	
50	HDY	V-MAX	17.1	2,874	19.0	3,157	49,927	2.130	
55	SIERRA	SBT GK	17.0	2,775	18.8	3,052	49,912	2.125	

ACCURATE LT-30

35	NOSLER	BTLF	19.9	3,301	22.1	3,635	49,839	2.180	C
40	NOSLER	B-TIP	19.4	3,145	21.6	3,449	49,826	2.180	
40	NOSLER	BTLF	19.0	3,119	21.1	3,403	49,986	2.200	
45	BARNES	TSX	18.9	3,009	21.1	3,297	49,957	2.130	
50	HDY	V-MAX	18.1	2,835	20.1	3,111	49,997	2.130	
50	HDY	GMX	17.1	2,765	19.0	3,008	49,913	2.130	
52	BERGER	FBV	17.9	2,782	19.9	3,033	49,879	2.130	
55	SIERRA	SBT GK	17.8	2,730	19.8	2,993	49,982	2.125	

ACCURATE LT-32

35	NOSLER	BTLF	21.4	3,237	23.8	3,500	49,958	2.180	C
40	NOSLER	B-TIP	20.7	3,161	23.0	3,480	49,928	2.180	C
40	NOSLER	BTLF	20.3	3,132	22.6	3,435	49,948	2.200	C
45	BARNES	TSX	20.2	3,002	22.4	3,316	49,938	2.130	C
50	HDY	V-MAX	19.4	2,846	21.5	3,147	49,971	2.130	C
50	HDY	GMX	18.4	2,764	20.4	3,043	49,924	2.130	
52	BERGER	FBV	18.9	2,786	21.0	3,051	49,938	2.130	

55	SIERRA	SBT GK	19.1	2,741	21.2	3,024	49,992	2.125	
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ACCURATE 2200

35	NOSLER	BTLF	21.9	3,410	24.4	3,739	49,965	2.180	
40	NOSLER	B-TIP	20.8	3,220	23.1	3,534	49,967	2.180	
40	NOSLER	BTLF	20.4	3,176	22.6	3,480	49,891	2.200	
45	BARNES	TSX	20.8	3,088	23.1	3,395	49,969	2.130	
50	HDY	V-MAX	19.6	2,935	21.8	3,221	49,957	2.130	
50	HDY	GMX	18.9	2,853	21.0	3,129	49,931	2.130	
52	BERGER	FBV	19.0	2,875	21.1	3,117	49,941	2.130	
55	SIERRA	SBT GK	19.2	2,797	21.3	3,071	49,838	2.125	

ACCURATE 2015

40	NOSLER	B-TIP	20.7	3,085	23.0	3,422	45,700	2.120	C
45	NOSLER	SP	20.4	2,976	22.7	3,296	45,000	2.120	
50	HDY	SPSX	20.2	2,900	22.5	3,213	48,500	2.120	
55	SIERRA	SBT	19.3	2,770	21.5	3,070	47,200	2.120	C
60	SIERRA	HP	18.5	2,661	20.6	2,950	47,800	2.120	

RAMSHOT X-TERMINATOR

40	HDY	V-MAX	22.8	3,129	25.3	3,477	45,500	2.110	C
40	NOSLER	B-TIP	22.5	3,098	25.0	3,442	44,770	2.110	C
40	BARNES	VLC	22.5	3,105	25.0	3,450	48,500	2.095	C
40	NOSLER	BTLF	21.9	3,156	24.3	3,457	49,931	2.200	C
45	BARNES	TSX	22.2	3,099	24.7	3,387	49,882	2.130	C
50	NOSLER	B-TIP	21.2	2,866	23.5	3,184	48,170	2.130	C
50	BARNES	VLC	21.1	2,849	23.4	3,166	45,700	2.130	
52	SIERRA	HPBT MK	21.2	2,820	23.5	3,133	48,790	2.130	
55	HDY	V-MAX	20.1	2,652	22.3	2,947	45,290	2.130	
55	NOSLER	B-TIP	20.3	2,741	22.6	3,046	49,390	2.130	

ACCURATE 2230

40	NOSLER	B-TIP	22.2	3,038	24.7	3,410	48,600	2.120	C
40	NOSLER	BTLF	21.9	3,156	24.3	3,457	49,931	2.200	C
45	SIERRA	SPT	22.0	2,910	24.5	3,269	46,700	2.120	C
45	BARNES	TSX	22.2	3,099	24.7	3,387	49,882	2.130	C
50	HDY	SPSX	21.6	2,840	24.0	3,170	48,100	2.120	
55	SIERRA	SBT	20.5	2,720	22.8	3,032	48,500	2.120	
60	SIERRA	HP	20.0	2,630	22.2	2,931	47,800	2.120	

ACCURATE 2460

40	NOSLER	B-TIP	22.5	3,045	25.0	3,425	48,500	2.120	C
45	NOSLER	SP	22.3	2,959	24.8	3,275	47,000	2.120	
50	HDY	SPSX	21.9	2,850	24.3	3,180	48,200	2.120	
55	SIERRA	SBT	20.7	2,740	23.0	3,027	47,500	2.120	
60	SIERRA	HP	20.4	2,600	22.5	2,910	46,800	2.120	

RAMSHOT TAC

40	HDY	V-MAX	22.8	3,119	25.3	3,465	49,550	2.095	C
40	NOSLER	BTLF	22.2	3,098	24.7	3,409	49,966	2.200	C
45	BARNES	TSX	22.6	3,038	25.1	3,340	49,966	2.130	C
45	BARNES	XFB	22.1	2,985	24.6	3,317	49,830	2.130	C
50	NOSLER	B-TIP	21.1	2,819	23.4	3,132	48,820	2.130	C
50	BARNES	VLC	21.2	2,806	23.6	3,118	48,520	2.130	
55	SIERRA	BK	21.1	2,742	23.4	3,047	48,120	2.135	

ACCURATE 2520

55	SIERRA	SBT	21.5	2,641	23.8	2,985	43,500	2.120	C
60	SIERRA	HP	20.7	2,562	23.0	2,897	44,800	2.120	C

223 REMINGTON

55,000 PSI -- STANDARD SAAMI COMMERCIAL SPECIFICATIONS

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 1.760" | Trim Length: 1.750"

ACCURATE 5744

35	HDY	V-MAX	19.2	3,169	21.1	3,602	53,694	2.130	
40	NOSLER	B-TIP	18.5	3,025	20.6	3,439	54,810	2.260	
50	BARNES	VARM	17.8	2,743	19.7	3,117	52,983	2.235	
53	HDY	HP	16.8	2,626	18.7	2,985	53,897	2.225	
55	SIERRA	SPT	16.8	2,612	18.7	2,968	54,990	2.230	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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223 REMINGTON *(continued)*

55,000 PSI -- STANDARD SAAMI COMMERCIAL SPECIFICATIONS

ACCURATE LT-30

36	BARNES	VG	21.1	3,425	23.5	3,735	54,813	2.200	
40	BERGER	FBV	21.0	3,356	23.4	3,676	54,936	2.200	
40	HDY	V-MAX	21.5	3,377	23.9	3,699	54,627	2.200	
40	NOSLER	BTLF	20.8	3,276	23.2	3,602	54,625	2.260	
42	SF	WTP	21.0	3,296	23.3	3,604	54,928	2.200	
50	HDY	GMX	19.2	2,882	21.4	3,153	54,971	2.165	
50	SIERRA	BK	20.3	3,053	22.6	3,332	54,907	2.260	
52	NOSLER	HPBT-CC	20.0	3,009	22.2	3,257	54,381	2.237	
53	BARNES	TSX-FB	19.6	2,922	21.7	3,186	54,888	2.200	
55	HDY	V-MAX	19.4	2,860	21.5	3,114	54,833	2.260	
55	HDY	GMX	17.4	2,645	19.3	2,879	54,699	2.185	
55	NOSLER	VARMGT	19.6	2,907	21.7	3,147	54,789	2.260	
62	BARNES	TSX-BT	17.8	2,659	19.8	2,895	54,690	2.260	
64	BERGER	FBV	18.0	2,681	19.4	2,809	54,936	2.260	
68	HDY	BTHP	17.8	2,585	19.8	2,815	54,969	2.250	
77	SIERRA	HPBT	16.5	2,342	18.3	2,539	54,836	2.260	

ACCURATE LT-32

40	HDY	V-MAX	22.9	3,387	25.4	3,735	54,690	2.200	C
40	NOSLER	BTLF	22.4	3,304	24.9	3,628	54,776	2.260	C
42	SF	WTP	22.4	3,306	24.9	3,620	54,840	2.200	C
50	HDY	GMX	20.6	2,893	22.9	3,179	54,631	2.165	
50	SIERRA	BK	21.8	3,112	24.2	3,399	54,926	2.260	
52	NOSLER	HPBT-CC	21.4	3,039	23.8	3,324	54,926	2.237	
53	BARNES	TSX-FB	21.0	2,923	23.3	3,214	54,777	2.200	
55	HDY	V-MAX	20.8	2,924	23.1	3,175	54,997	2.260	
55	HDY	GMX	18.6	2,699	20.6	2,932	54,582	2.185	
62	BARNES	TSX-BT	19.1	2,716	21.2	2,944	54,982	2.260	
64	BERGER	FBV	19.5	2,672	21.6	2,896	54,917	2.260	
68	HDY	BTHP	19.2	2,617	21.3	2,861	54,662	2.250	
77	SIERRA	HPBT	17.9	2,417	19.9	2,625	54,926	2.260	

ACCURATE 2200

30	BARNES	VG	24.9	3,833	27.7	4,189	54,780	2.100	
34	MSS	VNX	24.3	3,682	27.0	4,024	53,730	2.125	
35	NOSLER	BTLF	23.2	3,635	25.8	3,936	54,689	2.260	
36	BARNES	VG	23.8	3,518	26.4	3,863	54,789	2.190	
40	BERGER	FBV	22.6	3,386	25.1	3,700	54,650	2.224	
40	HDY	V-MAX	23.1	3,419	25.7	3,737	53,955	2.260	
40	NOSLER	B-TIP	22.9	3,386	25.4	3,701	53,740	2.260	
40	NOSLER	BTLF	22.2	3,384	24.7	3,679	54,910	2.260	
40	SIERRA	BK	22.9	3,400	25.4	3,716	54,356	2.260	
42	SF	WTP	22.4	3,395	24.9	3,676	54,669	2.200	
45	SIERRA	SPT	22.0	3,219	24.4	3,518	54,253	2.230	
45	BARNES	BAND-S	23.3	3,343	25.9	3,654	54,621	2.220	
45	BARNES	TSX-FB	22.6	3,247	25.1	3,549	54,550	2.220	
50	BERGER	FBV	21.0	3,025	23.3	3,306	54,023	2.260	
50	HDY	SP	21.5	3,063	23.9	3,348	54,621	2.235	
50	SIERRA	BK	22.1	3,111	24.6	3,400	53,998	2.260	
50	MSS	VNX	20.7	3,056	23.0	3,340	53,260	2.187	
50	BARNES	TSX-FB	21.2	3,013	23.6	3,293	54,734	2.195	
52	NOSLER	HPBT-CC	21.4	3,011	23.8	3,291	53,429	2.236	
53	BARNES	TSX-FB	20.7	2,936	23.0	3,209	54,316	2.213	
55	BERGER	FBV	21.0	2,898	23.3	3,167	54,243	2.260	
55	HDY	BT-FMJ	20.4	2,936	22.7	3,202	54,395	2.200	
55	HDY	SP	20.5	2,846	22.8	3,110	53,233	2.220	
55	NOSLER	B-TIP	21.1	2,904	23.4	3,174	52,974	2.260	
55	SIERRA	HPBT GK	20.6	2,890	22.9	3,159	54,159	2.175	
55	SIERRA	SBT	20.9	2,934	23.2	3,207	54,317	2.230	
55	MSS	VNX	19.8	2,890	22.0	3,175	54,300	2.162	
55	BARNES	TSX-FB	20.0	2,798	22.2	3,058	53,713	2.190	
55	BARNES	MPG	19.0	2,745	21.1	2,977	54,000	2.180	
55	SF	NTP	19.7	2,859	21.9	3,157	54,632	2.260	
60	NOSLER	PART	19.3	2,713	21.4	2,965	54,513	2.220	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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60	SIERRA	HP	20.2	2,738	22.4	2,992	53,288	2.232	
62	MIL	M855	19.5	2,750	21.7	3,011	54,950	2.260	
62	BARNES	TSX-BT	19.5	2,741	21.6	3,010	54,882	2.255	
65	SIERRA	SBT	18.7	2,675	20.7	2,893	54,632	2.210	
68	HDY	BTHP-M	19.0	2,605	21.1	2,888	54,911	2.250	
69	SIERRA	HPBT MK	18.5	2,613	20.6	2,822	54,960	2.245	
70	BARNES	TSX-BT	18.0	2,566	20.0	2,778	54,960	2.260	
75	HDY	BTHP-M	18.5	2,493	20.6	2,720	54,404	2.260	
77	SIERRA	HPBT MK	17.6	2,395	19.6	2,618	54,622	2.260	
80	SIERRA	HPBT MK	18.8	2,414	20.9	2,641	54,454	2.260	
90	SIERRA	HPBT MK	18.1	2,235	20.1	2,446	54,719	2.260	

ACCURATE 2015

30	BARNES	VG	22.9	3,450	25.4	3,771	49,940	2.088	C
34	MSS	VNX	23.9	3,489	26.5	3,813	54,040	2.125	C
40	BERGER	FBV	22.5	3,220	25.0	3,519	53,060	2.210	C
40	HDY	V-MAX	22.9	3,288	25.4	3,593	54,890	2.260	C
40	NOSLER	B-TIP	22.7	3,256	25.2	3,558	54,961	2.260	C
40	SIERRA	BK	22.7	3,261	25.2	3,564	54,440	2.260	C
45	SIERRA	SPT	21.8	3,088	24.2	3,375	54,980	2.222	
50	BERGER	FBV	21.0	2,933	23.3	3,206	54,110	2.260	
50	HDY	SPSX	21.2	2,943	23.6	3,216	54,900	2.180	
50	HDY	V-MAX	21.6	2,984	24.0	3,261	54,990	2.260	C
50	HDY	SP	21.3	2,937	23.7	3,210	54,000	2.226	
50	SIERRA	BK	21.6	2,964	24.0	3,239	53,750	2.260	C
50	MSS	VNX	21.4	2,965	23.8	3,240	53,550	2.187	
50	BARNES	TSX-FB	20.8	2,855	23.1	3,120	53,830	2.184	
52	BERGER	FBV	21.2	2,895	23.5	3,180	54,750	2.260	
52	NOSLER	HPBT-CC	21.2	2,906	23.6	3,176	54,080	2.226	
53	BARNES	TSX-FB	20.4	2,750	22.7	3,050	54,950	2.202	
55	BERGER	FBV	20.9	2,795	23.2	3,075	54,750	2.244	
55	HDY	BT-FMJ	20.9	2,804	23.2	3,105	54,813	2.200	
55	HDY	SPSX	20.3	2,750	22.5	3,005	53,010	2.195	
55	HDY	V-MAX	20.3	2,735	22.5	3,025	54,800	2.260	
55	NOSLER	B-TIP	20.9	2,804	23.2	3,065	53,960	2.260	
55	SIERRA	HPBT GK	21.0	2,804	23.3	3,064	54,060	2.160	
55	MSS	VNX	20.6	2,800	22.9	3,095	54,900	2.162	
55	BARNES	TSX-FB	19.8	2,685	22.0	2,966	54,850	2.183	
60	NOSLER	PART	19.4	2,628	21.5	2,872	54,050	2.205	
60	SIERRA	HP	20.3	2,691	22.6	2,941	54,990	2.232	
62	MIL	M855	20.4	2,660	22.7	2,916	54,517	2.260	
62	BARNES	TSX-BT	20.5	2,669	22.8	2,935	54,882	2.255	C
65	SIERRA	SBT	19.6	2,562	21.8	2,806	53,813	2.210	
68	HDY	BTHP-M	19.5	2,506	21.7	2,777	54,239	2.250	
69	SIERRA	HPBT	19.7	2,524	21.8	2,762	54,930	2.245	
70	BARNES	TSX-FB	19.0	2,441	21.1	2,690	53,972	2.260	
75	HDY	BTHP-M	19.1	2,425	21.2	2,652	54,918	2.260	
77	SIERRA	HPBT MK	18.5	2,333	20.5	2,553	54,702	2.260	
80	SIERRA	HPBT MK	19.5	2,349	21.7	2,582	54,655	2.260	C
90	SIERRA	HPBT MK	19.0	2,198	21.1	2,400	54,520	2.260	C

RAMSHOT X-TERMINATOR

30	BARNES	VG	26.1	3,687	29.0	4,029	51,560	2.088	C
34	MSS	VNX	26.6	3,665	29.5	4,006	53,570	2.125	C
35	NOSLER	BTLF	25.8	3,626	28.7	3,947	54,709	2.260	C
36	BARNES	VG	25.6	3,510	28.5	3,820	53,086	2.190	C
40	BERGER	FBV	23.9	3,451	26.5	3,772	54,360	2.210	
40	HDY	V-MAX	24.3	3,480	27.0	3,803	54,750	2.260	
40	NOSLER	B-TIP	24.3	3,435	27.0	3,754	53,760	2.260	
40	SIERRA	BK	24.3	3,459	27.0	3,780	54,640	2.260	
40	NOSLER	BTLF	24.5	3,435	27.2	3,721	54,448	2.260	C
42	SF	WTP	25.3	3,437	28.1	3,730	54,490	2.200	C
45	SIERRA	SPT	23.2	3,296	25.8	3,602	54,960	2.222	
45	BARNES	BAND-S	24.3	3,309	27.0	3,616	54,650	2.216	
45	BARNES	TSX-FB	24.1	3,276	26.8	3,580	54,560	2.208	
45	SF	WTP	24.3	3,186	27.0	3,540	54,177	2.224	C
50	BERGER	FBV	22.1	3,122	24.6	3,412	54,890	2.260	
50	HDY	SPSX	22.1	3,093	24.5	3,380	54,740	2.180	
50	HDY	V-MAX	22.2	3,115	24.7	3,404	53,460	2.260	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
223 REMINGTON <i>(continued)</i>																			
55,000 PSI -- STANDARD SAAMI COMMERCIAL SPECIFICATIONS																			
RAMSHOT X-TERMINATOR <i>(continued)</i>																			
50	HDY	SP	22.4	3,128	24.9	3,419	54,760	2.226		55	HDY	V-MAX	21.2	2,936	23.5	3,209	54,210	2.260	
50	NOSLER	B-TIP	23.4	3,134	26.2	3,413	54,692	2.260		55	NOSLER	B-TIP	22.1	2,983	24.5	3,260	54,640	2.260	
50	MSS	VNX	22.5	3,114	25.0	3,403	54,490	2.187		55	SIERRA	SBT	22.1	3,028	24.5	3,309	54,925	2.215	
50	SIERRA	BK	22.9	3,143	25.4	3,435	54,160	2.260		55	SIERRA	HPBT GK	22.2	3,007	24.7	3,286	54,760	2.160	
50	BARNES	VG	23.0	3,007	25.5	3,341	54,211	2.180		55	MSS	VNX	21.6	2,948	24.0	3,222	53,890	2.203	
50	BARNES	TSX-FB	22.7	3,082	25.2	3,368	54,770	2.184		55	BARNES	TSX-FB	21.7	2,905	24.1	3,195	54,880	2.183	
52	BERGER	FBV	22.1	3,088	24.6	3,375	54,950	2.260		55	BARNES	MPG	23.3	2,946	25.9	3,186	54,900	2.180	C
52	NOSLER	HPBT-CC	22.1	3,059	24.6	3,343	53,360	2.226		55	SF	NTP	22.5	2,997	25.0	3,285	54,987	2.260	
53	BARNES	TSX-FB	22.3	3,015	24.8	3,295	54,700	2.202		60	HDY	V-MAX	21.0	2,795	23.3	3,082	54,976	2.250	
55	BERGER	FBV	21.3	2,965	23.7	3,240	54,960	2.244		60	NOSLER	PART	21.2	2,836	23.6	3,099	54,350	2.205	
55	HDY	BT-FMJ	22.4	2,976	24.9	3,278	54,466	2.200		60	SIERRA	HP	20.9	2,815	23.2	3,077	54,060	2.232	
55	HDY	SPSX	21.4	2,949	23.8	3,223	54,100	2.195		62	MIL	M855	21.4	2,785	23.8	3,050	54,137	2.260	
55	HDY	V-MAX	21.2	2,936	23.5	3,209	54,210	2.260		62	BARNES	TSX-BT	22.1	2,833	24.5	3,100	54,001	2.255	
55	NOSLER	B-TIP	22.1	2,983	24.5	3,260	54,640	2.260		65	SIERRA	SBT	21.0	2,738	23.4	2,982	54,399	2.210	
55	SIERRA	SBT	22.2	3,028	24.7	3,309	54,980	2.215		68	HDY	BTHP-M	21.3	2,721	23.7	2,977	54,650	2.250	
55	SIERRA	HPBT GK	22.2	3,007	24.7	3,286	54,760	2.160		69	SIERRA	HPBT MK	20.7	2,666	23.1	2,895	54,430	2.245	
55	MSS	VNX	21.6	2,943	24.0	3,216	53,220	2.162		70	BARNES	TSX-BT	21.0	2,670	23.3	2,904	54,636	2.260	
55	BARNES	TSX-FB	21.8	2,914	24.2	3,185	54,950	2.183		75	HDY	BTHP-M	20.4	2,563	22.7	2,794	54,279	2.260	
55	BARNES	MPG	23.3	2,946	25.9	3,186	54,900	2.180	C	77	SIERRA	HPBT MK	20.0	2,531	22.2	2,731	54,300	2.260	
55	SF	NTP	22.5	2,997	25.0	3,285	54,987	2.260		80	SIERRA	HPBT MK	20.8	2,528	23.1	2,732	54,440	2.260	
60	HDY	V-MAX	21.0	2,795	23.3	3,082	54,976	2.250		90	SIERRA	HPBT MK	19.6	2,393	21.8	2,542	54,675	2.260	
60	NOSLER	PART	21.2	2,836	23.6	3,099	54,350	2.205		ACCURATE 2460									
60	SIERRA	HP	20.9	2,815	23.2	3,077	54,060	2.232		34	MSS	VNX	25.7	3,570	28.6	3,902	51,510	2.125	C
62	MIL	M855	21.4	2,778	23.8	3,050	54,137	2.260		35	NOSLER	BTLF	24.8	3,501	27.6	3,822	50,030	2.260	C
62	BARNES	TSX-BT	22.1	2,833	24.5	3,100	54,001	2.255		40	BERGER	FBV	25.0	3,463	27.8	3,785	54,950	2.224	C
65	SIERRA	SBT	21.0	2,738	23.4	2,982	54,399	2.210		40	HDY	V-MAX	24.7	3,428	27.4	3,746	53,590	2.260	C
68	HDY	BTHP-M	21.3	2,721	23.7	2,977	54,650	2.250		40	NOSLER	B-TIP	25.0	3,406	27.8	3,722	52,470	2.260	C
69	SIERRA	HPBT	20.7	2,666	23.1	2,895	54,430	2.245		40	SIERRA	BK	25.0	3,451	27.8	3,772	54,460	2.260	C
70	BARNES	TSX-BT	21.0	2,670	23.3	2,904	54,636	2.260		40	NOSLER	BTLF	24.8	3,413	27.5	3,710	53,569	2.260	C
75	HDY	BTHP-M	20.4	2,563	22.7	2,794	54,279	2.260		45	SIERRA	SPT	23.6	3,260	26.2	3,563	54,280	2.230	
77	SIERRA	HPBT MK	20.2	2,531	22.2	2,731	54,300	2.260		45	BARNES	TSX-FB	24.8	3,289	27.5	3,594	54,650	2.220	C
80	SIERRA	HPBT MK	20.8	2,528	23.1	2,732	54,440	2.260		50	BERGER	FBV	22.1	3,040	24.6	3,350	54,950	2.260	
90	SIERRA	HPBT MK	19.6	2,393	21.8	2,542	54,675	2.260		50	HDY	SPSX	22.1	3,066	24.5	3,351	53,410	2.185	
ACCURATE 2230										50	HDY	V-MAX	22.7	3,129	25.2	3,420	54,925	2.235	
30	BARNES	VG	26.1	3,687	29.0	4,029	51,560	2.088	C	50	MSS	VNX	22.9	3,092	25.4	3,379	54,690	2.187	
34	MSS	VNX	26.6	3,665	29.5	4,006	53,570	2.125	C	50	NOSLER	B-TIP	23.7	3,178	26.4	3,428	54,200	2.260	
35	NOSLER	BTLF	25.8	3,626	28.7	3,947	54,709	2.260	C	50	SIERRA	BK	23.4	3,069	26.0	3,382	54,500	2.260	
36	BARNES	VG	25.6	3,510	28.5	3,820	53,086	2.190	C	50	BARNES	TSX-FB	23.4	3,110	26.0	3,399	54,710	2.195	
40	BERGER	FBV	23.9	3,451	26.5	3,772	54,360	2.210		50	BERGER	FBV	21.8	3,003	24.2	3,282	54,570	2.255	
40	NOSLER	BTLF	24.5	3,435	27.2	3,721	54,448	2.260		52	NOSLER	HPBT-CC	22.7	2,992	25.2	3,310	54,925	2.236	
40	HDY	V-MAX	24.3	3,480	27.0	3,803	54,750	2.260		53	BARNES	TSX-FB	22.9	3,013	25.4	3,293	54,050	2.213	
40	NOSLER	B-TIP	24.3	3,435	27.0	3,754	53,760	2.260		55	BERGER	FBV	20.9	2,886	23.2	3,154	54,340	2.260	
40	SIERRA	BK	24.3	3,459	27.0	3,780	54,640	2.260	C	55	HDY	BT-FMJ	22.6	3,029	25.1	3,293	54,550	2.200	
42	SF	WTP	25.3	3,437	28.1	3,730	54,490	2.200	C	55	HDY	V-MAX	21.8	2,914	24.2	3,185	54,980	2.260	
45	SIERRA	SPT-V	23.2	3,296	25.8	3,602	54,990	2.222		55	NOSLER	B-TIP	22.9	2,990	25.4	3,268	54,890	2.260	
45	BARNES	BAND-S	24.3	3,309	27.0	3,616	54,650	2.216		55	SIERRA	HPBT GK	23.0	3,010	25.5	3,290	55,520	2.175	
45	BARNES	TSX-FB	24.1	3,276	26.8	3,580	54,560	2.208		55	SIERRA	SBT	22.1	2,967	24.6	3,243	54,340	2.230	
45	SF	WTP	24.3	3,186	27.0	3,540	54,177	2.224	C	55	MSS	VNX	21.9	2,936	24.3	3,209	54,960	2.203	
50	BERGER	FBV	22.1	3,122	24.6	3,412	54,890	2.260		55	BARNES	TSX-FB	22.0	2,887	24.4	3,155	53,320	2.190	
50	HDY	SPSX	22.1	3,093	24.5	3,380	54,740	2.180		55	SF	NTP	22.7	3,019	25.2	3,302	54,883	2.260	
50	HDY	V-MAX	22.2	3,115	24.7	3,404	53,460	2.260		60	NOSLER	PART	21.2	2,792	23.6	3,051	53,890	2.205	
50	HDY	SP	22.4	3,128	24.9	3,419	54,760	2.226		60	SIERRA	HP	21.2	2,793	23.6	3,053	53,970	2.232	
50	NOSLER	B-TIP	22.5	3,134	26.2	3,413	54,692	2.260		62	MIL	M855	22.1	2,741	24.6	3,046	54,257	2.260	
50	MSS	VNX	22.5	3,114	25.0	3,403	54,490	2.187		62	BARNES	TSX-BT	22.7	2,861	25.2	3,132	54,622	2.255	C
50	SIERRA	BK	22.9	3,143	25.4	3,435	54,160	2.260		65	SIERRA	SBT	21.7	2,773	24.2	3,020	54,833	2.210	
50	BARNES	VG	23.0	3,007	25.5	3,341	54,211	2.180		68	HDY	BTHP-M	21.6	2,726	24.0	2,990	54,334	2.250	
50	BARNES	TSX-FB	22.7	3,082	25.2	3,368	54,770	2.184		69	SIERRA	HPBT MK	21.1	2,671	23.4	2,907	54,250	2.245	
52	BERGER	FBV	22.1	3,088	24.6	3,375	54,990	2.260		70	BARNES	TSX-BT	21.1	2,664	23.4	2,900	54,662	2.260	
52	NOSLER	HPBT-CC	22.1	3,059	24.6	3,343	53,360	2.226		75	HDY	BTHP-M	21.0	2,574	23.3	2,813	54,174	2.260	
53	BARNES	TSX-FB	22.3	3,015	24.8	3,295	54,700	2.202		77	SIERRA	HPBT MK	20.4	2,532	22.6	2,743	54,100	2.260	
55	BERGER	FBV	21.3	2,965	23.7	3,240	54,960	2.244		80	SIERRA	HPBT MK	21.0	2,509	23.3	2,729	54,108	2.260	
55	HDY	BT-FMJ	22.4	2,976	24.9	3,278	54,466	2.200		90	SIERRA	HPBT MK	19.7	2,363	21.9	2,537	54,116	2.260	
55	HDY	SPSX	21.4	2,949	23.8	3,223	54,100	2.195											

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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223 REMINGTON *(continued)*

55,000 PSI -- STANDARD SAAMI COMMERCIAL SPECIFICATIONS

RAMSHOT TAC *(continued)*

40	HDY	V-MAX	24.9	3,419	27.7	3,737	54,760	2.260	
40	NOSLER	B-TIP	25.2	3,405	28.0	3,721	54,390	2.260	
40	SIERRA	BK	24.8	3,399	27.6	3,715	53,940	2.260	
40	NOSLER	BTLF	24.8	3,310	27.5	3,667	54,799	2.260	C
42	SF	WTP	25.6	3,331	28.4	3,648	53,846	2.200	C
45	SIERRA	SPT	24.3	3,276	27.0	3,580	54,690	2.222	
45	BARNES	BAND-S	24.5	3,255	27.2	3,557	54,450	2.216	
45	BARNES	TSX-FB	24.5	3,210	27.2	3,508	53,750	2.208	
45	SF	WTP	24.7	3,177	27.4	3,530	53,987	2.224	
50	BERGER	FBV	22.7	3,065	25.2	3,350	54,400	2.260	
50	HDY	SPSX	23.0	3,057	25.5	3,341	54,620	2.165	
50	HDY	V-MAX	22.5	3,103	25.0	3,391	54,990	2.260	
50	HDY	SP	23.0	3,074	25.6	3,360	53,220	2.226	
50	NOSLER	B-TIP	24.3	3,130	27.0	3,412	54,158	2.260	
50	SIERRA	BK	23.8	3,137	26.4	3,428	54,690	2.260	
50	MSS	VNX	23.1	3,088	25.7	3,375	53,690	2.187	
50	BARNES	VG	23.3	2,964	25.9	3,293	53,151	2.180	
50	BARNES	TSX-FB	23.1	3,030	25.7	3,311	54,750	2.184	
52	BERGER	FBV	22.2	2,983	24.7	3,260	53,800	2.260	
52	NOSLER	HPBT-CC	22.5	3,003	25.0	3,282	53,250	2.226	
53	BARNES	TSX-FB	22.9	2,977	25.4	3,254	54,550	2.202	
55	BERGER	FBV	22.1	2,927	24.5	3,199	54,730	2.244	
55	HDY	BT-FMJ	23.2	3,018	25.8	3,293	54,894	2.200	
55	HDY	SPSX	21.6	2,879	24.0	3,146	54,450	2.195	
55	HDY	V-MAX	22.2	2,909	24.7	3,179	52,660	2.260	
55	NOSLER	B-TIP	23.1	2,987	25.7	3,265	54,950	2.260	
55	SIERRA	SBT	23.0	3,002	25.5	3,281	54,995	2.215	
55	SIERRA	HPBT GK	23.2	3,000	25.8	3,279	54,925	2.160	
55	MSS	VNX	22.3	2,931	24.8	3,203	53,130	2.162	
55	BARNES	TSX-FB	22.5	2,887	25.0	3,155	53,940	2.183	
55	SF	WTP	23.1	2,929	25.7	3,254	54,177	2.244	
60	HDY	V-MAX	22.0	2,810	24.4	3,090	54,950	2.250	
60	NOSLER	PART	22.3	2,845	24.8	3,109	55,010	2.205	
60	SIERRA	HP	22.1	2,838	24.6	3,102	54,120	2.232	
62	MIL	M855	22.5	2,800	25.0	3,078	54,947	2.260	
62	BARNES	TSX-BT	22.5	2,804	25.0	3,066	54,333	2.255	
65	SIERRA	SBT	21.9	2,743	24.3	2,986	54,122	2.210	
68	HDY	BTHP-M	22.0	2,699	24.4	2,964	54,191	2.250	
69	SIERRA	HPBT MK	21.9	2,671	24.3	2,921	54,687	2.260	
70	BARNES	TSX-BT	21.6	2,658	24.0	2,884	54,544	2.260	
75	HDY	BTHP-M	21.7	2,582	24.1	2,820	54,337	2.260	
77	SIERRA	HPBT MK	21.1	2,483	23.4	2,759	54,500	2.260	
80	SIERRA	HPBT MK	21.9	2,500	24.3	2,749	54,308	2.260	
90	SIERRA	HPBT MK	20.5	2,313	22.8	2,546	54,700	2.260	

ACCURATE 2495

55	HDY	V-MAX	22.5	2,832	25.0	3,111	53,067	2.230	C
65	SIERRA	SBT	20.5	2,721	22.8	3,005	54,364	2.210	
68	HDY	BTHP-M	20.9	2,660	23.2	2,985	54,725	2.250	C
69	SIERRA	HPBT MK	20.3	2,664	22.5	2,939	54,387	2.245	
75	HDY	BTHP-M	20.1	2,572	22.4	2,855	54,984	2.276	
77	SIERRA	HPBT MK	19.6	2,487	21.8	2,741	54,364	2.260	
80	SIERRA	HPBT MK	19.3	2,467	21.5	2,726	54,385	2.398	
90	SIERRA	HPBT MK	18.6	2,315	20.6	2,545	54,352	2.422	

ACCURATE 2520

35	NOSLER	BTLF	26.5	3,449	29.5	3,746	46,200	2.260	C
40	NOSLER	BTLF	25.8	3,345	28.7	3,628	48,702	2.260	C
50	NOSLER	B-TIP	25.4	3,199	28.3	3,490	54,575	2.260	C
50	SIERRA	BK	24.8	3,149	27.5	3,441	53,870	2.260	C
50	MSS	VNX	24.3	3,142	27.0	3,434	53,670	2.187	
52	BERGER	FBV	23.4	3,052	26.0	3,335	54,890	2.260	
52	NOSLER	HPBT-CC	24.7	3,100	27.4	3,388	54,130	2.226	
53	BARNES	TSX-FB	25.0	3,044	27.8	3,327	52,700	2.202	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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55	BERGER	FBV	22.7	2,931	25.2	3,203	54,010	2.244	
55	HDY	BT-FMJ	24.3	3,053	27.0	3,345	54,910	2.200	
55	HDY	V-MAX	23.0	2,934	25.6	3,207	54,070	2.260	
55	NOSLER	B-TIP	24.0	3,000	26.7	3,311	54,970	2.260	
55	SIERRA	HPBT GK	24.1	2,985	26.8	3,295	54,870	2.160	
55	SIERRA	SBT	24.0	3,012	26.7	3,292	54,070	2.215	
55	MSS	VNX	22.7	2,952	25.2	3,226	53,560	2.203	
55	BARNES	TSX-FB	24.1	2,959	26.8	3,234	54,070	2.183	C
55	SF	NTP	24.3	3,024	27.1	3,304	52,159	2.260	C
60	NOSLER	PART	23.0	2,856	25.6	3,121	54,500	2.205	
60	SIERRA	HP	22.5	2,826	25.0	3,089	54,200	2.232	
62	MIL	M855	23.9	2,855	26.5	3,127	54,367	2.260	
62	BARNES	TSX-BT	24.1	2,864	26.8	3,140	52,580	2.255	C
65	SIERRA	SBT	22.7	2,777	25.2	3,011	52,777	2.210	
68	HDY	BTHP-M	23.2	2,762	25.8	3,031	54,662	2.250	C
69	SIERRA	HPBT MK	22.0	2,680	24.4	2,931	54,640	2.260	
70	BARNES	TSX-BT	22.4	2,675	24.9	2,931	54,759	2.260	
75	HDY	BTHP-M	22.2	2,610	24.7	2,863	54,602	2.260	
77	SIERRA	HPBT MK	21.7	2,553	24.1	2,785	54,800	2.260	
80	SIERRA	HPBT MK	22.4	2,536	24.9	2,792	54,926	2.260	C
90	SIERRA	HPBT MK	21.2	2,374	23.6	2,586	54,416	2.260	

5.56 X 45MM NATO

CIP COMMERCIAL AND NATO/MIL SPECIFICATION (62,350 PSI)

Barrel: 24" | Twist: 1-7" | Primer: WIN WSR | Bullet Diameter: 0.224"

Case: WIN | Max Case Length: 1.760" | Trim Length: 1.750"

ACCURATE LT-30

36	BARNES	VG	22.6	3,611	25.1	3,942	62,097	2.200	C
40	BERGER	FBV	22.2	3,516	24.7	3,853	62,111	2.200	C
40	HDY	V-MAX	22.8	3,548	25.3	3,890	62,205	2.200	C
40	NOSLER	BTLF	22.3	3,474	24.7	3,823	62,052	2.260	C
42	SF	WTP	22.2	3,465	24.7	3,793	62,104	2.200	C
50	HDY	GMX	20.6	3,051	22.9	3,342	62,215	2.165	
50	SIERRA	BK	21.6	3,203	24.0	3,498	62,108	2.260	
52	NOSLER	HPBT-CC	21.5	3,172	23.8	3,438	62,127	2.237	
53	BARNES	TSX-FB	20.9	3,086	23.2	3,368	62,169	2.200	C
55	HDY	V-MAX	20.7	3,010	23.0	3,281	62,117	2.260	
55	HDY	GMX	18.8	2,818	20.9	3,072	61,951	2.185	
55	NOSLER	VARMGT	21.0	3,067	23.4	3,324	62,176	2.260	
62	BARNES	TSX-BT	19.2	2,820	21.3	3,074	62,213	2.260	
64	BERGER	FBV	19.1	2,783	21.2	2,984	62,112	2.260	
68	HDY	BTHP	18.8	2,707	20.9	2,951	62,124	2.250	
77	SIERRA	HPBT	17.7	2,477	19.7	2,689	61,980	2.260	

ACCURATE LT-32

40	HDY	V-MAX	24.0	3,531	26.6	3,894	60,395	2.200	C
40	NOSLER	BTLF	23.6	3,459	26.2	3,801	60,445	2.260	C
42	SF	WTP	23.5	3,441	26.1	3,769	60,297	2.200	C
50	HDY	GMX	22.0	3,066	24.4	3,372	62,252	2.165	C
50	SIERRA	BK	23.1	3,270	25.7	3,574	62,092	2.260	C
52	NOSLER	HPBT-CC	22.4	3,153	24.9	3,449	60,028	2.237	C
53	BARNES	TSX-FB	22.4	3,093	24.8	3,403	62,037	2.200	C
55	HDY	V-MAX	21.8	3,034	24.2	3,297	60,020	2.260	
55	HDY	GMX	20.0	2,857	22.2	3,107	62,049	2.185	
62	BARNES	TSX-BT	20.6	2,883	22.9	3,131	62,279	2.260	
64	BERGER	FBV	21.0	2,831	23.3	3,073	62,130	2.260	
68	HDY	BTHP	20.4	2,752	22.6	3,011	62,074	2.250	C
77	SIERRA	HPBT	19.0	2,531	21.2	2,754	62,245	2.260	

ACCURATE 2200

30	BARNES	VG	26.1	4,007	29.0	4,345	59,638	2.100	C
35	NOSLER	BTLF	24.8	3,828	27.6	4,150	61,805	2.260	
36	BARNES	VG	25.3	3,718	28.1	4,086	62,030	2.190	C
40	BERGER	FBV	23.8	3,543	26.4	3,851	61,120	2.224	
40	HDY	V-MAX	24.5	3,595	27.2	3,919	61,310	2.260	
40	NOSLER	B-TIP	24.5	3,616	27.4	3,912	61,040	2.260	
40	SIERRA	BK	24.3	3,591	27.0	3,906	61,855	2.260	
40	NOSLER	BTLF	23.5	3,543	26.1	3,855	61,446	2.260	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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5.56 X 45MM NATO *(continued)*

CIP COMMERCIAL AND NATO/MIL SPECIFICATION (62,350 PSI)

ACCURATE 2200 *(continued)*

42	SF	WTP	23.9	3,564	26.6	3,864	61,649	2.200	
45	SIERRA	SPT	23.4	3,414	26.0	3,695	61,124	2.230	
45	BARNES	BAND-S	24.5	3,506	27.3	3,826	61,110	2.220	
45	BARNES	TSX-FB	24.2	3,441	26.9	3,748	61,490	2.220	
49	LHG	B-L	22.4	3,287	24.8	3,597	61,286	2.220	
50	BERGER	FBV	22.3	3,194	24.8	3,467	61,436	2.260	
50	HDY	SP	22.8	3,227	25.4	3,504	61,768	2.235	
50	NOSLER	B-TIP	22.5	3,205	25.0	3,502	61,079	2.260	
50	SIERRA	BK	23.5	3,265	26.1	3,578	61,240	2.260	
50	BARNES	TSX-FB	22.6	3,185	25.1	3,459	61,263	2.195	
52	NOSLER	HPBT-CC	22.9	3,181	25.4	3,480	61,704	2.236	
53	BARNES	TSX-FB	21.9	3,088	24.3	3,369	61,314	2.213	
55	BERGER	FBV	22.9	3,126	25.4	3,378	61,813	2.260	
55	HDY	BT-FMJ	21.7	3,088	24.1	3,372	61,614	2.200	
55	HDY	SP	22.1	3,036	24.5	3,295	61,434	2.220	
55	NOSLER	B-TIP	22.7	3,085	25.2	3,381	61,158	2.260	
55	SIERRA	HPBT GK	22.0	3,054	24.4	3,334	61,316	2.175	
55	SIERRA	SBT	22.5	3,120	25.0	3,398	61,757	2.230	
55	BARNES	TSX-FB	21.2	2,936	23.6	3,239	61,228	2.190	
55	BARNES	MPG	20.4	2,900	22.6	3,151	61,225	2.180	
60	NOSLER	PART	20.6	2,877	22.9	3,126	61,226	2.220	
60	SIERRA	HP	21.6	2,909	24.0	3,181	61,356	2.232	
62	MIL	M855	20.3	2,856	22.5	3,126	61,347	2.260	
62	BARNES	TSX-BT	20.4	2,857	22.7	3,139	60,495	2.255	
68	HDY	BTHP-M	20.0	2,741	22.2	3,039	62,003	2.250	

ACCURATE 2015

55	HDY	BT-FMJ	22.0	2,948	24.4	3,265	62,014	2.200	C
62	MIL	M855	21.3	2,765	23.7	3,020	62,000	2.260	
62	BARNES	TSX-BT	22.0	2,853	24.4	3,105	61,998	2.255	C
65	SIERRA	BTHP	20.9	2,703	23.2	2,965	61,226	2.210	
68	HDY	BTHP-M	20.7	2,655	23.0	2,947	61,954	2.250	C
69	SIERRA	HPBT	20.8	2,652	23.2	2,905	61,877	2.245	C
70	BARNES	TSX-BT	20.2	2,599	22.4	2,853	61,475	2.260	C
75	HDY	BTHP-M	20.3	2,557	22.6	2,799	62,306	2.260	C
77	SIERRA	HPBT MK	19.5	2,446	21.7	2,680	61,562	2.260	
80	SIERRA	HPBT MK	20.8	2,499	23.1	2,734	62,003	2.260	C
90	SIERRA	HPBT MK	20.3	2,320	22.5	2,536	61,913	2.260	C

RAMSHOT X-TERMINATOR

49	LHG	B-L	24.9	3,321	27.6	3,617	58,828	2.220	C
50	NOSLER	B-TIP	25.0	3,292	27.8	3,589	61,915	2.260	C
55	HDY	BT-FMJ	23.7	3,133	26.3	3,452	61,380	2.200	
62	MIL	M855	22.8	2,925	25.3	3,200	61,487	2.260	
62	BARNES	TSX-BT	23.9	3,037	26.5	3,296	61,799	2.255	C
65	SIERRA	SBT	22.5	2,887	25.0	3,148	61,192	2.210	
68	HDY	HPBT-M	22.4	2,850	24.9	3,117	62,016	2.250	
69	SIERRA	HPBT	22.3	2,824	24.8	3,071	62,009	2.260	
70	BARNES	TSX-BT	22.8	2,855	25.4	3,111	62,222	2.260	C
75	HDY	BTHP-M	22.2	2,738	24.6	2,989	62,297	2.260	
77	SIERRA	HPBT	21.3	2,581	23.7	2,868	61,250	2.260	
80	SIERRA	HPBT	22.4	2,670	24.9	2,895	61,442	2.260	C
90	SIERRA	HPBT	21.5	2,523	23.9	2,690	62,035	2.260	C

ACCURATE 2230

49	LHG	B-L	24.9	3,321	27.6	3,617	58,828	2.220	C
50	NOSLER	B-TIP	25.0	3,292	27.8	3,589	61,915	2.260	C
55	HDY	BT-FMJ	23.7	3,133	26.3	3,452	61,380	2.200	
62	MIL	M855	22.8	2,925	25.3	3,200	61,487	2.260	
62	BARNES	TSX-BT	23.9	3,037	26.5	3,296	61,799	2.255	C
65	SIERRA	SBT	22.5	2,887	25.0	3,148	61,192	2.210	
68	HDY	BTHP-M	22.4	2,850	24.9	3,117	62,016	2.250	
69	SIERRA	HPBT	22.3	2,824	24.8	3,071	62,009	2.260	
70	BARNES	TSX-BT	22.8	2,855	25.4	3,111	62,222	2.260	C
75	HDY	BTHP-M	22.2	2,738	24.6	2,989	62,297	2.260	

77	SIERRA	HPBT	21.3	2,625	23.7	2,868	61,250	2.260	
80	SIERRA	HPBT	22.4	2,670	24.9	2,895	61,442	2.260	C
90	SIERRA	HPBT	21.5	2,523	23.9	2,690	62,035	2.260	C

ACCURATE 2460

50	NOSLER	B-TIP	25.6	3,355	28.4	3,625	61,688	2.260	C
55	HDY	BT-FMJ	24.0	3,183	26.7	3,464	61,520	2.200	C
62	MIL	M855	24.1	2,950	26.8	3,226	61,897	2.260	C
62	BARNES	TSX-BT	24.2	3,030	26.9	3,320	61,773	2.255	C
65	SIERRA	SBT	23.1	2,912	25.7	3,175	61,114	2.210	C
68	HDY	BTHP-M	23.1	2,888	25.7	3,170	62,222	2.250	C
69	SIERRA	HPBT	22.5	2,813	25.0	3,067	61,553	2.260	
70	BARNES	TSX-BT	22.5	2,806	25.0	3,059	61,287	2.260	C
75	HDY	BTHP-M	22.5	2,729	25.0	2,985	61,899	2.260	C
77	SIERRA	HPBT	21.6	2,652	24.0	2,878	61,350	2.260	
80	SIERRA	HPBT	22.4	2,640	24.8	2,878	60,850	2.260	C
90	SIERRA	HPBT	21.3	2,488	23.7	2,685	61,726	2.260	C

RAMSHOT TAC

49	LHG	B-L	25.0	3,294	27.8	3,589	61,076	2.220	C
50	NOSLER	B-TIP	25.9	3,288	28.7	3,588	61,289	2.260	C
55	HDY	BT-FMJ	24.5	3,159	27.3	3,450	61,335	2.200	
62	MIL	M855	23.6	2,940	26.2	3,219	62,350	2.260	
62	BARNES	TSX-BT	24.1	2,965	26.7	3,244	61,196	2.255	C
65	SIERRA	SBT	23.7	2,922	26.3	3,184	62,202	2.210	
68	HDY	BTHP-M	23.4	2,851	26.0	3,133	61,995	2.250	C
69	SIERRA	HPBT	22.9	2,775	25.4	3,049	61,607	2.260	
70	BARNES	TSX-BT	23.1	2,796	25.6	3,037	61,273	2.260	C
75	HDY	BTHP-M	23.2	2,738	25.8	2,994	62,145	2.260	C
77	SIERRA	HPBT MK	22.3	2,648	24.8	2,902	61,500	2.260	
80	SIERRA	HPBT MK	23.2	2,638	25.8	2,903	61,307	2.260	C
90	SIERRA	HPBT	21.8	2,436	24.2	2,688	61,794	2.260	C

ACCURATE 2520

55	HDY	BT-FMJ	25.5	3,182	28.4	3,489	60,725	2.200	C
62	MIL	M855	24.8	2,894	27.5	3,216	57,707	2.260	C
65	SIERRA	SBT	24.9	2,982	27.6	3,239	61,238	2.210	C
68	HDY	BTHP-M	24.3	2,868	26.9	3,154	60,057	2.250	C
69	SIERRA	HPBT	23.2	2,780	25.8	3,061	62,240	2.260	
70	BARNES	TSX-BT	23.9	2,826	26.6	3,103	61,552	2.260	C
75	HDY	BTHP-M	23.7	2,764	26.4	3,039	61,890	2.260	C
77	SIERRA	HPBT MK	23.0	2,674	25.5	2,925	62,200	2.260	C
80	SIERRA	HPBT MK	23.8	2,671	26.4	2,949	61,844	2.260	C
90	SIERRA	HPBT MK	22.3	2,467	24.8	2,701	60,052	2.260	C

223 REMINGTON (CUSTOM LONG THROAT)

For chambers that have been specially adapted to accept the longer COL.

Barrel: 24" | Twist: 1 in 7" | Primer: WIN WSR | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 1.760" | Trim Length: 1.750"

RAMSHOT X-TERMINATOR

80	BERGER	VLD	21.2	2,596	23.5	2,840	62,000	2.510	
80	NOSLER	HPBT-CC	21.1	2,597	23.5	2,831	62,228	2.545	
80	SIERRA	HPBT MK	21.1	2,590	23.5	2,833	62,125	2.535	
90	SIERRA	HPBT MK	20.2	2,409	22.4	2,639	62,306	2.540	

ACCURATE 2230

80	BERGER	VLD	21.2	2,596	23.5	2,840	62,000	2.510	
80	NOSLER	HPBT-CC	21.1	2,597	23.5	2,831	62,228	2.545	
80	SIERRA	HPBT MK	21.1	2,590	23.5	2,833	62,125	2.535	
90	SIERRA	HPBT MK	20.2	2,409	22.4	2,639	62,306	2.540	

ACCURATE 2495

80	BERGER	VLD	22.2	2,584	24.7	2,831	62,009	2.510	C
80	NOSLER	HPBT-CC	22.5	2,611	25.0	2,853	62,162	2.545	
80	SIERRA	HPBT MK	22.3	2,590	24.8	2,832	62,231	2.535	
90	SIERRA	HPBT MK	21.4	2,414	23.8	2,641	62,277	2.540	

RAMSHOT TAC

80	BERGER	VLD	21.9	2,587	24.3	2,846	61,115	2.510	
80	NOSLER	HPBT-CC	22.0	2,612	24.5	2,865	62,204	2.545	
80	SIERRA	HPBT MK	22.1	2,609	24.5	2,862	61,854	2.535	
90	SIERRA	HPBT MK	21.1	2,424	23.4	2,664	61,794	2.540	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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223 REMINGTON (CUSTOM LONG THROAT) *(continued)*

ACCURATE 2520

80	BERGER	VLD	22.9	2,658	25.4	2,910	62,153	2.510	
80	NOSLER	HPBT-CC	23.0	2,665	25.5	2,908	61,973	2.545	
80	SIERRA	HPBT MK	22.9	2,658	25.4	2,898	61,861	2.535	
90	SIERRA	HPBT MK	21.7	2,463	24.1	2,694	61,744	2.540	

222 REMINGTON MAGNUM

Barrel: 24" | Twist: 1-12" | Primer: WIN WSR | Bullet Diameter: 0.224"
Case: REM | Max Case Length: 1.850" | Trim Length: 1.840"

ACCURATE 2015

40	NOSLER	B-TIP	23.9	3,194	26.5	3,630	48,500	2.345	
45	NOSLER	HORNET	24.3	3,098	27.0	3,521	47,200	2.220	
50	SPEER	TNT HP	23.9	2,991	26.5	3,399	49,100	2.320	
52	NOSLER	HPBT-CC	23.2	2,942	25.8	3,343	49,900	2.295	
55	NOSLER	B-TIP	23.0	2,833	25.5	3,219	47,200	2.310	
60	NOSLER	PART	22.1	2,716	24.5	3,086	48,800	2.330	
63	SIERRA	SMP	22.3	2,700	24.8	3,068	49,800	2.280	

ACCURATE 2230

40	NOSLER	B-TIP	25.6	3,195	28.5	3,631	46,900	2.345	
45	NOSLER	HORNET	25.8	3,122	28.7	3,548	47,500	2.220	
50	SPEER	TNT HP	25.4	3,047	28.2	3,462	51,700	2.320	
52	NOSLER	HPBT-CC	24.9	2,981	27.7	3,388	52,400	2.295	
55	NOSLER	B-TIP	24.3	2,861	27.0	3,251	49,200	2.310	
60	NOSLER	PART	23.4	2,717	26.0	3,088	49,300	2.330	
63	SIERRA	SMP	22.5	2,606	25.0	2,961	48,700	2.280	

ACCURATE 2460

40	NOSLER	B-TIP	26.1	3,219	29.0	3,659	44,400	2.345	
45	NOSLER	HORNET	26.4	3,150	29.3	3,579	49,400	2.220	
50	SPEER	TNT HP	25.5	3,032	28.3	3,445	50,600	2.320	
52	NOSLER	HPBT-CC	25.5	2,982	28.3	3,389	50,000	2.295	
55	NOSLER	B-TIP	24.9	2,896	27.7	3,291	50,900	2.310	
60	NOSLER	PART	24.0	2,752	26.7	3,127	49,100	2.330	
63	SIERRA	SMP	23.0	2,644	25.5	3,005	47,000	2.280	

ACCURATE 2520

40	NOSLER	B-TIP	26.1	3,075	29.0	3,495	36,600	2.345	
45	NOSLER	HORNET	26.1	3,057	29.0	3,474	43,900	2.220	
50	SPEER	TNT HP	26.1	2,994	29.0	3,402	46,900	2.320	
52	NOSLER	HPBT-CC	26.1	2,673	29.0	3,037	45,400	2.295	
55	NOSLER	B-TIP	25.8	2,884	28.7	3,277	46,800	2.310	C
60	NOSLER	PART	24.9	2,772	27.7	3,150	48,800	2.330	
63	SIERRA	SMP	24.3	2,646	27.0	3,007	45,600	2.280	

219 ZIPPER

Barrel: 24" | Twist: 1-16" | Primer: WIN WLR | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 1.938" | Trim Length: 1.928"

ACCURATE 2015

46	SPEER	FN	21.6	2,797	24.0	3,178	39,400	2.255	
50	HDY	SPSX*	23.4	2,844	26.0	3,232	40,800	2.350	
55	NOSLER	B-TIP*	22.5	2,716	25.0	3,086	40,800	2.375	

ACCURATE 2230

46	SPEER	FN	23.0	2,834	25.5	3,220	39,800	2.255	
50	HDY	SPSX*	23.4	2,811	26.0	3,194	40,800	2.350	
55	NOSLER	B-TIP*	23.4	2,725	26.0	3,097	41,800	2.375	

ACCURATE 2460

46	SPEER	FN	23.4	2,842	26.0	3,230	38,700	2.255	
50	HDY	SPSX*	23.4	2,778	26.0	3,157	37,900	2.350	
55	NOSLER	B-TIP*	23.9	2,740	26.5	3,114	41,700	2.375	

ACCURATE 2495

46	SPEER	FN	24.3	2,930	27.0	3,300	42,000	2.255	
50	HDY	SPSX*	25.2	2,913	28.0	3,310	42,000	2.350	

ACCURATE 2520

46	SPEER	FN	24.8	2,892	27.5	3,286	38,500	2.255	
50	HDY	SPSX*	24.3	2,814	27.0	3,198	38,400	2.350	
55	NOSLER	B-TIP*	23.9	2,696	26.5	3,064	37,100	2.375	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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ACCURATE 2700

46	SPEER	FN	27.9	2,840	31.0	3,227	40,000	2.255	C
50	HDY	SPSX*	27.0	2,700	30.0	3,068	36,300	2.350	
55	NOSLER	B-TIP*	27.0	2,696	30.0	3,064	42,000	2.375	C

* Indicates pointed bullets inappropriate for tube-fed rifles.

224 VALKYRIE

Barrel: 24" | Twist: 1-7" | Primer: FED 205 | Bullet Diameter: 0.224"
Case: FED | Max Case Length: 1.600" | Trim Length: 1.590"

ACCURATE 2015

70	NOSLER	RDF	21.1	2,596	23.4	2,849	54,476	2.200	
75	HDY	BTHP	20.2	2,452	22.5	2,694	53,867	2.160	

ACCURATE 2460

70	NOSLER	RDF	22.9	2,731	25.5	3,002	54,417	2.200	
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ACCURATE 2495

70	NOSLER	RDF	23.3	2,618	25.8	2,905	54,127	2.200	
72	LHG	CC	19.8	2,396	22.0	2,625	54,129	2.260	
75	HDY	BTHP	21.4	2,487	23.7	2,729	53,968	2.160	
77	SIERRA	TMK	21.0	2,455	23.4	2,690	54,367	2.225	
90	SIERRA	HPBT MK	20.9	2,244	23.2	2,483	53,279	2.260	

ACCURATE 2520

70	NOSLER	RDF	24.2	2,745	26.9	3,034	53,842	2.200	
72	LHG	CC	21.9	2,618	24.3	2,819	54,473	2.260	
77	SIERRA	TMK	22.8	2,567	25.3	2,837	53,846	2.260	

ACCURATE 4064

70	NOSLER	RDF	24.0	2,655	26.7	2,945	54,364	2.200	C
72	LHG	CC	20.5	2,442	22.8	2,675	53,981	2.260	
75	HDY	BTHP	22.3	2,543	24.8	2,787	54,419	2.160	
77	SIERRA	TMK	21.9	2,496	24.3	2,726	54,267	2.225	
82	BERGER	BTT	21.6	2,416	24.0	2,648	54,287	2.260	
90	SIERRA	HPBT MK	21.6	2,283	24.0	2,526	53,484	2.260	

RAMSHOT BIG GAME

70	NOSLER	RDF	26.9	2,805	29.9	3,088	54,471	2.200	C
72	LHG	CC	25.5	2,662	28.3	2,913	54,376	2.260	C
75	HDY	BTHP	25.4	2,649	28.3	2,913	53,586	2.160	C
77	SIERRA	TMK	25.3	2,627	28.2	2,878	54,319	2.225	C
82	BERGER	BTT	24.6	2,548	27.4	2,786	54,161	2.260	
90	SIERRA	HPBT MK	24.5	2,403	27.2	2,651	54,231	2.262	C

ACCURATE 2700

72	LHG	CC	24.5	2,559	27.2	2,783	49,757	2.260	C
75	HDY	BTHP	25.1	2,573	27.9	2,834	50,367	2.160	C
77	SIERRA	TMK	24.9	2,534	27.6	2,779	50,047	2.225	C
82	BERGER	BTT	24.8	2,505	27.5	2,755	51,198	2.260	C
90	SIERRA	HPBT MK	24.0	2,349	26.6	2,598	52,094	2.260	C

22 NOSLER

Barrel: 24" | Twist: 1-8" | Primer: FED 205 | Bullet Diameter: 0.224"
Case: NOSLER | Max Case Length: 1.912" | Trim Length: 1.902

ACCURATE LT-30

35	NOSLER	BTLF	25.5	3,608	28.4	3,939	53,864	2.260	
40	HDY	V-MAX	24.6	3,429	27.3	3,732	52,961	2.260	

ACCURATE LT-32

35	NOSLER	BTLF	26.9	3,600	29.9	3,967	53,691	2.260	
40	HDY	V-MAX	25.9	3,433	28.8	3,757	53,242	2.260	
52	BERGER	FBV	23.0	3,056	25.5	3,267	52,679	2.230	

ACCURATE 2200

35	NOSLER	BTLF	26.9	3,738	29.9	4,046	53,286	2.260	
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ACCURATE 2015

35	NOSLER	BTLF	28.3	3,601	31.5	3,979	53,362	2.260	C
40	HDY	V-MAX	27.2	3,430	30.2	3,774	53,746	2.260	
52	BERGER	FBV	24.9	3,054	27.6	3,315	53,427	2.230	
55	BARNES	TSX-FB	23.4	2,870	26.0	3,135	53,649	2.250	
60	BARNES	HP	23.6	2,811	26.2	3,060	53,864	2.260	

RAMSHOT X-TERMINATOR

40	HDY	V-MAX	27.8	3,536	30.9	3,864	53,268	2.260	
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(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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22 NOSLER (continued)

ACCURATE 2230

35	NOSLER	BTLF	29.8	3,680	33.1	4,036	53,287	2.260	
40	HDY	V-MAX	28.3	3,527	31.5	3,858	53,821	2.260	

ACCURATE 2460

40	HDY	V-MAX	29.3	3,537	32.5	3,887	52,741	2.260	
52	BERGER	FBV	26.2	3,143	29.1	3,395	53,618	2.230	
55	BARNES	TSX-FB	23.9	2,939	26.5	3,176	53,621	2.250	

RAMSHOT TAC

40	HDY	V-MAX	28.9	3,511	32.1	3,859	53,857	2.260	
52	BERGER	FBV	26.4	3,184	29.4	3,435	53,926	2.230	

ACCURATE 2520

40	HDY	V-MAX	30.6	3,534	34.0	3,890	53,741	2.260	
52	BERGER	FBV	26.7	3,149	29.7	3,414	53,849	2.230	
55	BARNES	TSX-FB	24.5	2,927	27.2	3,178	53,249	2.250	

ACCURATE 2495

52	BERGER	FBV	26.7	3,109	29.7	3,364	53,943	2.230	
55	BARNES	TSX-FB	24.5	2,871	27.2	3,132	53,816	2.250	
60	SIERRA	HP	25.2	2,863	28.0	3,116	52,989	2.260	
64	BERGER	FBV	23.9	2,799	26.6	3,007	53,986	2.260	
70	NOSLER	RDF	24.5	2,671	27.2	2,927	52,628	2.260	
77	SIERRA	TMK	23.0	2,494	25.5	2,722	53,169	2.300*	

ACCURATE 4064

55	BARNES	TSX-FB	25.5	2,930	28.3	3,188	53,647	2.250	
60	SIERRA	HP	25.9	2,913	28.8	3,153	53,472	2.260	
64	BERGER	FBV	25.4	2,804	28.3	3,051	53,581	2.260	
70	NOSLER	RDF	25.7	2,698	28.5	2,965	53,724	2.260	
77	SIERRA	TMK	23.6	2,572	26.3	2,773	53,264	2.300*	
82	BERGER	BTT	21.9	2,467	24.3	2,630	52,837	2.325*	
90	SIERRA	MK	22.9	2,354	25.4	2,568	52,794	2.375*	

RAMSHOT BIG GAME

52	BERGER	FBV	31.8	3,246	35.3	3,534	53,261	2.230	
55	BARNES	TSX-FB	29.1	3,073	32.4	3,321	53,428	2.250	
60	SIERRA	HP	29.7	3,024	33.0	3,285	53,827	2.260	
64	BERGER	FBV	28.8	2,898	32.0	3,148	52,946	2.260	
70	NOSLER	RDF	28.7	2,819	31.9	3,085	53,149	2.260	
77	SIERRA	TMK	27.2	2,654	30.2	2,892	53,176	2.300*	
82	BERGER	BTT	26.5	2,551	29.4	2,792	52,967	2.325*	
90	SIERRA	MK	25.6	2,431	28.4	2,657	52,957	2.375*	

ACCURATE 2700

64	BERGER	FBV	29.8	2,949	33.1	3,169	53,412	2.260	C
70	NOSLER	RDF	29.4	2,823	32.6	3,110	52,361	2.260	C
77	SIERRA	TMK	28.3	2,702	31.5	2,957	53,184	2.300*	C
82	BERGER	BTT	27.0	2,622	30.0	2,827	53,176	2.325*	C
90	SIERRA	MK	26.5	2,470	29.4	2,707	53,281	2.375*	C

SPECIAL NOTES ON THE 22 NOSLER

* Longer than SAAMI maximum COL, not compatible with all magazines.

225 WINCHESTER

Barrel: 24" | Twist: 1-14" | Primer: WIN WLR | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 1.930" | Trim Length: 1.920"

ACCURATE 2015

40	NOSLER	B-TIP	28.7	3,490	32.0	3,966	57,800	2.495	
50	SPEER	SPZSP	27.9	3,206	31.0	3,643	57,200	2.400	
53	HDY	HP	27.7	3,148	30.8	3,577	58,400	2.415	
55	NOSLER	B-TIP	27.5	3,076	30.5	3,495	58,500	2.425	
60	HDY	HP	27.0	2,966	30.0	3,370	58,700	2.425	

ACCURATE 2230

40	NOSLER	B-TIP	30.6	3,508	34.0	3,987	57,200	2.495	
50	SPEER	SPZSP	28.8	3,191	32.0	3,626	57,300	2.400	
53	HDY	HP	28.6	3,088	31.8	3,509	55,800	2.415	
55	NOSLER	B-TIP	29.3	3,098	32.6	3,520	57,000	2.425	
60	HDY	HP	28.1	2,966	31.2	3,370	58,100	2.425	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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ACCURATE 2460

40	NOSLER	B-TIP	31.0	3,544	34.5	4,028	58,100	2.495	
50	SPEER	SPZSP	29.3	3,200	32.5	3,636	56,100	2.400	
53	HDY	HP	29.1	3,115	32.3	3,540	56,800	2.415	
55	NOSLER	B-TIP	29.5	3,111	32.8	3,535	57,600	2.425	
60	HDY	HP	28.8	2,989	32.0	3,397	56,400	2.425	

ACCURATE 2495

40	NOSLER	B-TIP	30.6	3,519	34.0	3,999	57,200	2.495	C
50	SPEER	SPZSP	28.6	3,218	31.8	3,657	57,400	2.400	
53	HDY	HP	28.4	3,197	31.6	3,633	60,700	2.415	
55	NOSLER	B-TIP	28.1	3,089	31.2	3,510	57,900	2.425	
60	HDY	HP	27.9	3,003	31.0	3,413	59,000	2.425	

ACCURATE 2520

40	NOSLER	B-TIP	31.5	3,532	35.0	4,014	56,700	2.495	
50	SPEER	SPZSP	30.0	3,206	33.3	3,643	57,800	2.400	
53	HDY	HP	29.8	3,130	33.1	3,557	58,100	2.415	
55	NOSLER	B-TIP	29.9	3,096	33.2	3,518	57,600	2.425	
60	HDY	HP	29.3	3,000	32.5	3,409	59,600	2.425	

22-250 REMINGTON

Barrel: 24" | Twist: 1-14" | Primer: WIN WLR | Bullet Diameter: 0.224"
Case: REM | Max Case Length: 1.912" | Trim Length: 1.902"

ACCURATE 2460

40	NOSLER	B-TIP	33.7	3,663	37.5	4,163	60,500	2.405	
45	BERGER	FBV	32.4	3,392	36.0	3,854	58,800	2.305	
50	BARNES	VARM	32.9	3,371	36.5	3,831	61,900	2.350	
53	HDY	HP	31.5	3,194	35.0	3,629	58,600	2.350	
55	SIERRA	BK	32.4	3,230	36.0	3,670	62,300	2.350	

RAMSHOT TAC

40	HDY	V-MAX	33.9	3,753	38.5	4,190	63,200	2.350	
40	NOSLER	B-TIP	33.8	3,722	38.9	4,186	62,200	2.350	
50	HDY	V-MAX	31.8	3,391	35.3	3,763	60,060	2.350	
55	HDY	V-MAX	29.7	3,223	33.0	3,581	61,950	2.350	
55	NOSLER	B-TIP	29.5	3,237	32.8	3,597	59,670	2.350	
55	SIERRA	HPBT GK	30.4	3,290	33.8	3,655	62,340	2.350	

ACCURATE 2520

40	BARNES	VARM	34.6	3,673	38.5	4,174	61,800	2.405	
45	BERGER	FBV	33.8	3,412	37.5	3,877	58,800	2.305	
50	SIERRA	BK	33.3	3,361	37.0	3,819	63,100	2.350	
53	HDY	HP	32.0	3,167	35.5	3,599	56,400	2.350	
55	NOSLER	B-TIP	32.4	3,172	36.0	3,605	59,700	2.350	

ACCURATE 4064

40	SIERRA	BK	35.5	3,526	39.5	4,007	54,800	2.260	C
45	BERGER	FBV	35.1	3,426	39.0	3,894	56,100	2.300	C
50	HDY	V-MAX	34.2	3,340	38.0	3,796	59,300	2.350	C
53	SIERRA	HP MK	33.7	3,314	37.5	3,767	64,400	2.380	C
55	HDY	V-MAX	33.3	3,236	37.0	3,678	59,500	2.350	C
60	NOSLER	PART	32.4	3,086	36.0	3,507	58,700	2.350	C
63	SIERRA	SP	31.0	2,983	34.5	3,390	59,000	2.325	
70	BERGER	FBV	29.0	2,833	32.2	3,220	64,500	2.325	
80	SIERRA	HPBT MK	29.2	2,662	32.5	3,026	62,000	2.610	

RAMSHOT BIG GAME

50	NOSLER	B-TIP	36.4	3,457	40.4	3,841	61,250	2.350	C
50	BARNES	VLC	36.5	3,422	40.5	3,802	58,820	2.350	C
52	HDY	BTHP	36.0	3,400	40.0	3,778	62,770	2.350	
52	SIERRA	HPBT MK	36.5	3,396	40.6	3,773	60,870	2.350	C
53	SIERRA	HP MK	36.5	3,361	40.5	3,734	60,350	2.350	C
53	BARNES	TSX-FB	35.9	3,365	39.9	3,739	60,710	2.350	C
55	HDY	BT-FMJ	35.6	3,323	39.5	3,692	61,360	2.350	
55	HDY	SPSX	35.8	3,323	39.8	3,692	62,450	2.350	
55	NOSLER	B-TIP	35.6	3,326	39.5	3,695	62,860	2.350	C
60	HDY	SP	33.7	3,128	37.4	3,475	60,330	2.350	

ACCURATE 2700

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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22-250 REMINGTON *(continued)*

ACCURATE 2700 *(continued)*

60	HDY	V-MAX	36.1	3,269	38.0	3,478	61,100	2.350	C
63	SIERRA	SMP	35.6	3,199	37.5	3,408	60,900	2.325	
70	BERGER	FBV	32.8	2,934	34.5	3,121	58,900	2.325	
80	NOSLER	HPBT-CC	32.3	2,804	34.0	2,983	58,600	2.610	

220 SWIFT

Barrel: 24" | Twist: 1-14" | Primer: FED 210 | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 2.205" | Trim Length: 2.195"

ACCURATE 4064

40	NOSLER	B-TIP	35.1	3,573	39.0	4,061	58,056	2.680	
50	BARNES	VARM	35.1	3,381	39.0	3,843	60,180	2.680	
55	SIERRA	BK	33.3	3,138	37.0	3,566	61,596	2.680	

RAMSHOT BIG GAME

50	HDY	V-MAX	37.0	3,500	41.0	3,800	60,000	2.680	
55	SIERRA	BK	36.0	3,450	40.0	3,600	60,000	2.680	
60	HDY	V-MAX	34.0	3,200	38.0	3,450	61,000	2.680	

ACCURATE 2700

40	SIERRA	BK	42.3	3,884	47.0	4,414	61,000	2.680	C
50	HDY	V-MAX	42.8	3,793	45.0	4,035	62,500	2.680	C
55	NOSLER	B-TIP	41.3	3,602	43.5	3,832	57,000	2.680	
60	HDY	V-MAX	39.9	3,391	42.0	3,607	59,700	2.680	C

RAMSHOT HUNTER

50	NOSLER	B-TIP	39.4	3,493	43.8	3,881	59,120	2.680	C
52	SIERRA	HPBT MK	39.8	3,394	44.2	3,771	56,990	2.600	C
53	BARNES	TSX-FB	39.0	3,407	43.3	3,785	62,720	2.680	
55	HDY	V-MAX	40.1	3,404	44.6	3,782	62,480	2.680	C
55	NOSLER	B-TIP	40.0	3,432	44.4	3,813	61,380	2.680	C
60	HDY	V-MAX	36.9	3,150	41.0	3,495	61,380	2.680	

223 WINCHESTER SUPER SHORT MAGNUM (WSSM)

Barrel: 24" | Twist: 1-12" | Primer: WIN WLR | Bullet Diameter: 0.224"
Case: WIN | Max Case Length: 1.670" | Trim Length: 1.660"

ACCURATE 4064

55	NOSLER	B-TIP	37.8	3,351	42.0	3,723	63,700	2.197	
69	SIERRA	HPBT MK	35.8	3,069	39.8	3,410	63,800	2.230	

RAMSHOT BIG GAME

50	NOSLER	B-TIP	41.4	3,538	46.0	3,931	63,320	2.195	
53	BARNES	TSX-FB	36.5	3,275	40.5	3,639	61,190	2.200	
55	HDY	SP	38.0	3,333	42.2	3,703	62,500	2.200	
55	SIERRA	BK	39.8	3,382	44.2	3,758	61,060	2.200	

ACCURATE 2700

55	SIERRA	BK	43.2	3,465	48.0	3,850	59,600	2.197	
69	NOSLER	HPBT-CC	40.1	3,164	44.5	3,516	62,800	2.230	

ACCURATE 4350

55	SIERRA	BK	42.3	3,458	47.0	3,842	59,300	2.197	C
69	NOSLER	HPBT-CC	40.1	3,230	44.5	3,589	64,132	2.230	

RAMSHOT HUNTER

50	BARNES	VARM	43.7	3,516	48.6	3,907	62,200	2.170	
55	NOSLER	B-TIP	43.3	3,407	48.1	3,786	60,860	2.200	
60	SIERRA	HP	42.8	3,349	47.5	3,721	64,500	2.200	
60	HDY	V-MAX	42.8	3,309	47.6	3,677	62,310	2.200	
63	SIERRA	SMP	39.8	3,163	44.2	3,514	59,990	2.200	

6 X 45MM

Barrel: 24" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter: 0.243"
Case: WIN | Max Case Length: 1.760" | Trim Length: 1.750"

ACCURATE LT-30

55	NOSLER	B-TIP	22.5	3,027	25.0	3,334	54,928	2.260	C
58	HDY	V-MAX	21.8	2,952	24.2	3,232	54,854	2.260	C
60	BERGER	FBV	22.2	2,906	24.6	3,183	54,731	2.260	C
62	BARNES	VG	20.3	2,722	22.6	2,975	54,164	2.260	C
65	HDY	V-MAX	21.1	2,726	23.5	3,024	54,915	2.260	C
70	SIERRA	HPBT	20.6	2,662	22.9	2,927	54,594	2.260	
75	SIERRA	HP	19.9	2,533	22.1	2,761	54,436	2.260	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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80	NOSLER	B-TIP	20.1	2,442	22.3	2,677	54,398	2.260	C
85	SIERRA	HPBT GK	19.1	2,366	21.2	2,600	54,762	2.260	
85	BARNES	TSX-BT	18.8	2,298	20.9	2,506	54,999	2.260	
87	HDY	V-MAX	19.4	2,355	21.5	2,573	54,867	2.260	C
90	NOSLER	B-TIP	19.4	2,310	21.5	2,518	54,796	2.260	C
95	NOSLER	B-TIP	19.1	2,233	21.2	2,436	54,627	2.260	C
100	BERGER	HPBT	18.7	2,176	20.8	2,384	54,981	2.260	

ACCURATE LT-32

60	BERGER	FBV	23.9	2,919	26.6	3,205	53,193	2.260	C
65	HDY	V-MAX	22.5	2,778	25.0	3,071	54,592	2.260	C
70	SIERRA	HPBT	21.9	2,686	24.4	2,953	54,794	2.260	C
75	SIERRA	HP	21.0	2,539	23.4	2,803	54,843	2.260	C
80	NOSLER	B-TIP	21.4	2,485	23.8	2,749	54,481	2.260	C
85	SIERRA	HPBT GK	20.3	2,390	22.6	2,653	54,867	2.260	
85	BARNES	TSX-BT	20.9	2,407	23.3	2,622	54,683	2.260	C
90	NOSLER	B-TIP	20.8	2,378	23.1	2,587	54,426	2.260	C
95	NOSLER	B-TIP	20.7	2,304	23.0	2,511	54,237	2.260	C
100	BERGER	HPBT	19.9	2,241	22.1	2,455	54,792	2.260	C

ACCURATE 2200

55	NOSLER	B-TIP	25.1	3,221	27.9	3,536	54,668	2.260	C
55	SIERRA	BK	24.9	3,188	27.7	3,519	54,386	2.260	C
58	HDY	V-MAX	23.3	3,094	25.9	3,370	54,472	2.260	
60	BERGER	FBV	23.9	3,053	26.5	3,347	54,551	2.260	
62	BARNES	VG	22.3	2,851	24.8	3,170	53,999	2.260	C
65	HDY	V-MAX	22.1	2,892	24.6	3,169	54,780	2.260	
70	SIERRA	HPBT	22.3	2,835	24.8	3,110	54,873	2.260	
75	HDY	HP	21.3	2,684	23.6	2,935	54,993	2.260	
75	HDY	V-MAX	21.2	2,697	23.6	2,959	54,663	2.260	
75	SIERRA	HP	20.6	2,634	22.9	2,883	54,111	2.260	
80	HDY	FMJ	20.6	2,545	22.9	2,802	54,882	2.260	
80	NOSLER	B-TIP	21.1	2,572	23.5	2,847	54,133	2.260	
85	SIERRA	HPBT GK	20.1	2,471	22.3	2,741	54,686	2.260	
85	BARNES	TSX-BT	20.3	2,456	22.5	2,693	54,448	2.260	
87	HDY	V-MAX	20.3	2,485	22.5	2,727	54,552	2.260	
90	SIERRA	FMJBT	19.9	2,418	22.1	2,669	54,353	2.260	
95	NOSLER	B-TIP	19.8	2,360	22.0	2,574	54,226	2.260	
100	BERGER	BTT	19.4	2,322	21.6	2,532	54,966	2.260	

RAMSHOT X-TERMINATOR

55	NOSLER	B-TIP	25.6	3,124	28.4	3,389	51,647	2.260	C
55	SIERRA	BK	25.5	3,116	28.4	3,388	51,106	2.260	C
58	HDY	V-MAX	25.0	3,081	27.8	3,340	54,028	2.260	C
60	BERGER	FBV	25.2	3,058	28.0	3,320	54,129	2.260	C
62	BARNES	VG	23.1	2,683	25.6	2,953	45,126	2.260	C
65	HDY	V-MAX	24.1	2,903	26.8	3,153	54,259	2.260	C
70	SIERRA	HPBT MK	24.3	2,882	26.9	3,117	54,404	2.260	C
75	HDY	HP	23.0	2,702	25.6	2,932	54,427	2.260	
75	HDY	V-MAX	23.6	2,754	26.2	3,000	54,622	2.260	C
75	SIERRA	HP	22.0	2,646	24.5	2,890	54,609	2.260	
80	HDY	FMJ	22.3	2,598	24.7	2,833	54,732	2.260	
80	NOSLER	B-TIP	23.4	2,632	26.0	2,899	54,235	2.260	C
85	SIERRA	HPBT GK	21.8	2,548	24.2	2,770	54,244	2.260	
85	BARNES	TSX-FB	22.2	2,468	24.7	2,726	54,983	2.260	C
87	HDY	V-MAX	22.0	2,517	24.4	2,770	54,709	2.260	C
90	SIERRA	FMJBT	21.9	2,500	24.3	2,727	54,894	2.260	
95	NOSLER	B-TIP	21.3	2,358	23.7	2,585	54,433	2.260	C
100	BERGER	BTT	21.1	2,342	23.4	2,556	54,099	2.260	

ACCURATE 2230

55	NOSLER	B-TIP	25.6	3,124	28.4	3,389	51,647	2.260	C
55	SIERRA	BK	25.5	3,116	28.4	3,388	51,106	2.260	C
58	HDY	V-MAX	25.0	3,081	27.8	3,340	54,028	2.260	C
60	BERGER								

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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6 X 45MM *(continued)*

ACCURATE 2230 *(continued)*

75	SIERRA	HP	22.0	2,646	24.5	2,890	54,609	2.260	
80	HDY	FMJ	22.3	2,598	24.7	2,833	54,732	2.260	
80	NOSLER	B-TIP	23.4	2,632	26.0	2,899	54,235	2.260	C
85	SIERRA	HPBT GK	21.8	2,548	24.2	2,770	54,244	2.260	
85	BARNES	TSX-FB	22.2	2,468	24.7	2,726	54,983	2.260	C
87	HDY	V-MAX	22.0	2,517	24.4	2,770	54,709	2.260	C
90	SIERRA	FMJBT	21.9	2,500	24.3	2,727	54,894	2.260	
95	NOSLER	B-TIP	21.3	2,358	23.7	2,585	54,433	2.260	C
100	BERGER	BTT	21.1	2,342	23.4	2,556	54,099	2.260	

6MM PPC

Barrel: 21 1/2" | Twist: 1-14" | Primer: WIN WSR | Bullet Diameter: 0.243"
Case: NORMA | Max Case Length: 1.503" | Trim Length: 1.493"

ACCURATE 5744

55	NOSLER	B-TIP	21.2	2,906	26.6	3,548	58,238	2.100	
60	SIERRA	HP-V	19.2	2,635	25.6	3,389	58,519	2.050	
65	HDY	V-MAX	20.9	2,816	24.9	3,273	58,103	2.105	
70	SIERRA	HPBT	21.5	2,767	24.0	3,076	59,040	2.150	
72	BARNES	VARM	18.2	2,440	24.3	3,112	57,682	2.050	
75	HDY	V-MAX	17.8	2,413	23.8	3,069	58,098	2.105	

ACCURATE LT-30

55	NOSLER	B-TIP	25.3	3,144	28.1	3,462	58,364	2.100	C
58	HDY	V-MAX	24.8	3,052	27.5	3,380	58,585	2.100	
60	SIERRA	HP-V	24.5	2,974	27.2	3,275	58,274	2.050	
65	HDY	V-MAX	23.8	2,888	26.5	3,161	58,603	2.105	
68	BARNES	FB-MB	23.8	2,813	26.5	3,099	58,519	2.105	
70	BERGER	FBT	23.5	2,767	26.1	3,032	58,487	2.105	
72	BARNES	VARM	23.3	2,744	25.9	3,009	58,700	2.050	
75	SIERRA	HP-V	22.5	2,648	25.0	2,892	58,392	2.090	
80	NOSLER	B-TIP	22.4	2,568	24.9	2,819	58,717	2.060	
95	BERGER	VLD	20.4	2,345	22.7	2,550	58,633	2.295	

ACCURATE LT-32

55	NOSLER	B-TIP	27.0	3,221	30.0	3,583	58,677	2.100	C
58	HDY	V-MAX	27.2	3,227	30.2	3,607	58,715	2.100	C
60	SIERRA	HP-V	25.9	3,037	28.8	3,335	58,647	2.050	C
65	HDY	V-MAX	25.2	2,921	28.0	3,207	58,249	2.105	C
68	BARNES	FB-MB	25.3	2,893	28.1	3,217	58,642	2.105	C
68	BERGER	FBT	25.0	2,844	27.7	3,130	57,896	2.105	C
70	BERGER	FBT	25.1	2,861	27.9	3,168	58,626	2.105	C
70	SIERRA	HPBT	24.7	2,848	27.5	3,162	58,701	2.088	C
72	BARNES	VARM	25.0	2,819	27.8	3,080	58,143	2.050	C
75	HDY	V-MAX	23.9	2,741	26.5	2,999	58,444	2.105	
95	BERGER	VLD	22.1	2,431	24.5	2,650	58,613	2.295	

ACCURATE 2200

55	NOSLER	B-TIP	28.3	3,374	31.4	3,734	58,598	2.100	
60	BERGER	FBT	27.4	3,208	30.5	3,562	58,711	2.100	
65	HDY	V-MAX	25.3	3,046	28.1	3,332	58,667	2.105	
68	BARNES	FB-MB	25.7	2,964	28.5	3,287	58,446	2.105	
70	SIERRA	HPBT	25.2	2,959	27.9	3,238	58,727	2.105	
75	HDY	V-MAX	24.8	2,925	27.6	3,208	58,588	2.105	

ACCURATE 2015

65	HDY	V-MAX	25.9	2,885	28.7	3,174	58,460	2.105	C
70	SIERRA	HPBT MK	25.6	2,799	28.5	3,090	57,590	2.105	C
72	BARNES	VARM	25.4	2,738	28.2	3,016	58,334	2.050	C
75	HDY	V-MAX	24.6	2,680	27.4	2,962	58,008	2.105	C
95	BERGER	VLD	23.3	2,416	25.8	2,650	58,613	2.295	C

RAMSHOT X-TERMINATOR

55	NOSLER	B-TIP	29.2	3,260	32.5	3,587	58,259	2.100	C
60	SIERRA	HP-V	28.2	3,105	31.3	3,430	58,199	2.050	C
65	HDY	V-MAX	27.3	3,008	30.3	3,304	58,399	2.105	
70	SIERRA	HPBT MK	27.4	2,976	30.5	3,304	58,350	2.150	
72	BARNES	VARM	26.3	2,853	29.2	3,124	58,143	2.050	
75	SIERRA	HP-V	24.8	2,700	27.5	3,000	57,100	2.090	
80	NOSLER	B-TIP	24.0	2,650	27.0	2,950	57,500	2.110	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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100	SIERRA	SBT GK	22.5	2,450	25.0	2,700	57,200	2.170	
107	SIERRA	HPBT MK	22.0	2,350	24.5	2,600	57,700	2.193	

ACCURATE 2230

55	NOSLER	B-TIP	29.2	3,260	32.5	3,587	58,259	2.100	C
60	SIERRA	HP-V	28.2	3,105	31.3	3,430	58,199	2.050	C
65	HDY	V-MAX	27.3	3,008	30.3	3,304	58,399	2.105	
70	SIERRA	HPBT MK	27.4	2,976	30.5	3,304	58,350	2.150	
72	BARNES	VARM	26.3	2,853	29.2	3,124	58,143	2.050	
75	SIERRA	HP-V	24.8	2,700	27.5	3,000	57,100	2.090	
80	NOSLER	B-TIP	24.0	2,650	27.0	2,950	57,500	2.110	
100	SIERRA	SBT GK	22.5	2,450	25.0	2,700	57,200	2.170	
107	SIERRA	HPBT MK	22.0	2,350	24.5	2,600	57,700	2.193	

ACCURATE 2460

60	SIERRA	HP-V	27.0	2,816	30.0	3,200	48,800	2.050	
70	BERGER	FBV	26.6	2,623	29.5	2,981	46,600	2.080	

RAMSHOT TAC

60	SIERRA	HP-V	29.4	3,092	32.7	3,420	56,841	2.050	C
65	HDY	V-MAX	28.8	3,022	32.0	3,316	58,739	2.105	C
72	BARNES	VARM	28.0	2,877	31.1	3,161	58,329	2.050	C
75	SIERRA	HP-V	26.0	2,650	29.5	3,000	58,100	2.090	
80	NOSLER	HPBT-CC	25.5	2,600	29.0	2,950	58,500	2.110	C
100	SIERRA	SBT	24.3	2,475	27.0	2,740	57,900	2.170	
107	SIERRA	HPBT MK	23.0	2,350	26.0	2,650	56,700	2.193	

ACCURATE 2495

95	BERGER	VLD	25.1	2,446	27.9	2,719	58,686	2.295	C
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ACCURATE 2520

95	BERGER	VLD	25.3	2,507	28.1	2,763	58,619	2.295	
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6MM BR REMINGTON

Barrel: 24" | Twist: 1-14" | Primer: FED 205 | Bullet Diameter: 0.243"
Case: REM | Max Case Length: 1.560" | Trim Length: 1.550"

ACCURATE 2015

58	HDY	V-MAX	27.5	3,055	30.5	3,472	52,700	2.125	
70	NOSLER	B-TIP	27.5	2,887	30.5	3,281	52,900	2.170	
80	SIERRA	BK	26.1	2,679	29.0	3,044	50,200	2.120	

ACCURATE 2230

60	SIERRA	HP	30.2	3,008	33.5	3,418	49,400	2.125	
70	BERGER	FBV	29.3	2,865	32.5	3,256	52,500	2.170	

ACCURATE 2460

60	BERGER	FBV	31.1	3,082	34.5	3,502	51,600	2.125	
70	SIERRA	HPBT MK	29.7	2,882	33.0	3,275	51,600	2.170	

ACCURATE 2495

60	SIERRA	HP	29.7	2,983	33.0	3,390	46,700	2.125	C
70	NOSLER	B-TIP	28.4	2,871	31.5	3,262	50,500	2.170	C

ACCURATE 2520

60	SIERRA	HP	31.5	3,047	35.0	3,462	50,500	2.125	
70	NOSLER	B-TIP	30.6	2,889	34.0	3,283	51,900	2.170	
80	BERGER	FBV	29.7	2,746	33.0	3,121	51,200	2.120	

6MM BR NORMA

Barrel: 26" | Twist: 1-9" | Primer: REM 7 1/2" | Bullet Diameter: 0.243"
Case: REM | Max Case Length: 1.560" | Trim Length: 1.550"

ACCURATE LT-30

55	NOSLER	B-TIP	27.1	3,318	30.1	3,645	58,739	2.140	
58	HDY	V-MAX	26.9	3,259	29.9	3,565	58,728	2.140	
60	BERGER	FB	26.4	3,184	29.3	3,486	58,719	2.140	
65	HDY	V-MAX	25.3	3,070	28.1	3,323	58,731	2.150	
68	BARNES	FB-MB	25.4	2,998	28.2	3,272	58,689	2.150	
70	BERGER	FB	24.9	2,954	27.7	3,200	58,696	2.150	
75	SIERRA	HP	23.7	2,811	26.3	3,035	58,743	2.150	

ACCURATE LT-32

58	HDY	V-MAX	28.3	3,304	31.5	3,654	58,614	2.140	C
60	BERGER	FB	28.0	3,272	31.1	3,597	58,498	2.140	C
65	HDY	V-MAX	26.9	3,138	29.9	3,439	58,732	2.150	C
68	BARNES	FB	26.6	3,040	29.6	3,363	58,729	2.150	C

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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6MM BR NORMA *(continued)*

ACCURATE LT-32 *(continued)*

70	BERGER	FB	26.6	3,019	29.5	3,319	58,609	2.150	C
70	SIERRA	HPBT	26.2	3,026	29.1	3,316	58,737	2.150	
87	HDY	V-MAX	24.7	2,691	27.4	2,958	58,553	2.160	
95	BERGER	VLD	23.7	2,562	26.4	2,788	58,036	2.370	

ACCURATE 2200

60	BERGER	FB	28.7	3,343	31.9	3,694	58,710	2.140	
68	BARNES	FB	27.4	3,142	30.4	3,465	58,699	2.150	
70	BERGER	FB	27.2	3,103	30.2	3,403	58,740	2.150	
70	SIERRA	HPBT	28.0	3,206	31.1	3,533	58,723	2.150	

ACCURATE 2015

95	BERGER	VLD	24.9	2,551	27.7	2,793	58,643	2.370	
105	BARNES	BT-MB	23.6	2,403	26.3	2,615	58,723	2.360	
105	HDY	BTHP	23.4	2,375	26.0	2,578	58,123	2.250	
107	NOSLER	HPBT-CC	23.5	2,368	26.1	2,582	58,147	2.335	
107	SIERRA	HPBT MK	23.1	2,340	25.7	2,548	58,439	2.350	
115	BERGER	VLD	22.4	2,235	24.9	2,428	58,712	2.405	

ACCURATE 2495

95	BERGER	VLD	26.8	2,637	29.8	2,885	58,528	2.370	
105	BARNES	BT-MB	26.1	2,482	29.0	2,735	58,543	2.360	
105	HDY	BTHP	25.5	2,444	28.3	2,686	58,478	2.250	C
107	NOSLER	HPBT-CC	26.0	2,465	28.8	2,701	58,369	2.335	
107	SIERRA	HPBT MK	25.2	2,438	28.0	2,661	58,727	2.350	
115	BERGER	VLD	24.3	2,324	27.0	2,538	58,739	2.405	

ACCURATE 4064

95	BERGER	VLD	27.8	2,669	30.9	2,922	58,657	2.370	C
105	BARNES	BT-MB	27.6	2,556	30.7	2,800	58,632	2.360	C
105	HDY	BTHP	27.1	2,491	30.1	2,753	58,263	2.250	C
107	NOSLER	HPBT-CC	27.2	2,492	30.3	2,749	58,517	2.335	C
107	SIERRA	HPBT MK	26.2	2,485	29.1	2,704	58,624	2.350	
115	BERGER	VLD	25.4	2,355	28.2	2,572	58,700	2.405	C

6MM XC

Barrel: 24" | Twist: 1-10" | Primer: WIN LR | Bullet Diameter: 0.243"
Case: NORMA | Max Case Length: (Wildcat--Consult with Rifle Manufacturer)

ACCURATE 2700

90	BERGER	BTT	38.7	2,967	43.0	3,297	62,840	2.667	
100	BERGER	BTT	35.8	2,767	39.8	3,074	63,480	2.700	
107	SIERRA	HPBT MK	36.2	2,739	40.2	3,043	63,812	2.700	
108	BERGER	VLD	35.1	2,658	39.0	2,953	61,920	2.688	
115	BERGER	VLD	34.8	2,578	38.7	2,864	62,600	2.735	

ACCURATE 4350

90	BERGER	BTT	39.6	2,867	44.0	3,185	60,060	2.667	C
100	BERGER	BTT	37.8	2,758	42.0	3,064	62,350	2.700	C
105	BERGER	VLD	37.2	2,712	41.3	3,013	63,490	2.724	
107	SIERRA	HPBT MK	38.1	2,715	42.3	3,017	63,650	2.700	C
108	BERGER	VLD	36.9	2,662	41.0	2,958	62,820	2.688	
115	BERGER	VLD	36.5	2,564	40.5	2,849	60,950	2.735	C

RAMSHOT HUNTER

90	BERGER	BTT	40.0	2,960	44.4	3,289	63,180	2.667	
100	BERGER	BTT	38.0	2,813	42.2	3,125	63,050	2.700	
105	BERGER	VLD	37.4	2,750	41.5	3,056	63,250	2.724	
107	SIERRA	HPBT MK	37.1	2,719	41.2	3,021	63,740	2.700	
108	BERGER	VLD	36.9	2,696	41.0	2,995	62,120	2.688	
115	BERGER	VLD	36.6	2,610	40.7	2,900	62,250	2.735	

6MM CREEDMOOR

Barrel: 24" | Twist: 1-9" | Primer: FED 210M | Bullet Diameter: 0.243"
Case: HDY | Max Case Length: 1.920" | Trim Length: 1.910"

ACCURATE 4064

58	HDY	V-MAX	40.9	3,427	45.5	3,838	61,279	2.475	
70	NOSLER	B-TIP	38.4	3,171	42.7	3,505	60,983	2.550	

RAMSHOT BIG GAME

58	HDY	V-MAX	44.3	3,581	49.3	3,924	61,374	2.475	
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Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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70	NOSLER	B-TIP	40.7	3,241	45.2	3,561	61,329	2.550	
80	SIERRA	SBT	39.4	3,081	43.8	3,379	61,349	2.500	

ACCURATE 2700

58	HDY	V-MAX	45.4	3,538	50.5	3,947	61,392	2.475	C
70	NOSLER	B-TIP	42.4	3,264	47.1	3,610	61,428	2.550	
80	SIERRA	SBT	40.5	3,087	45.0	3,410	60,984	2.500	
95	BERGER	VLD	38.6	2,876	42.9	3,146	61,334	2.650	

ACCURATE 4350

95	BARNES	LTX BT	39.7	2,812	44.1	3,078	60,839	2.750	
95	BERGER	VLD	41.5	2,860	46.1	3,192	61,349	2.650	C
100	NOSLER	PART	38.8	2,772	43.1	3,045	61,287	2.625	
107	SIERRA	HPBT MK	36.9	2,670	41.0	2,912	61,158	2.780	
112	BARNES	BT-MB	38.0	2,626	42.2	2,896	61,328	2.780	
115	BERGER	VLD	36.8	2,583	40.9	2,823	61,194	2.780	

RAMSHOT HUNTER

80	SIERRA	SBT	42.6	3,141	47.3	3,431	61,475	2.500	
95	BARNES	LTX BT	38.7	2,812	43.0	3,073	61,274	2.750	
95	BERGER	VLD	39.6	2,871	44.0	3,136	61,261	2.650	
100	NOSLER	PART	38.4	2,779	42.7	3,024	61,354	2.625	

ACCURATE MAGPRO

95	BARNES	LTX BT	44.3	2,764	49.2	3,052	61,429	2.750	C
95	BERGER	VLD	44.7	2,796	49.7	3,102	61,457	2.650	C
100	NOSLER	PART	44.1	2,757	49.0	3,032	60,981	2.625	C
107	SIERRA	HPBT MK	42.5	2,701	47.2	2,957	60,976	2.780	
112	BARNES	BT-MB	42.7	2,638	47.5	2,924	61,294	2.780	
115	BERGER	VLD	41.6	2,595	46.3	2,860	61,253	2.780	

RAMSHOT MAGNUM

107	SIERRA	HPBT MK	44.9	2,787	49.9	3,049	60,996	2.780	C
112	BARNES	BT-MB	45.7	2,755	50.8	3,026	61,372	2.780	C
115	BERGER	VLD	44.4	2,696	49.3	2,959	61,233	2.780	C

243 WINCHESTER

Barrel: 24" | Twist: 1-10" | Primer: REM 9 1/2 | Bullet Diameter: 0.243"
Case: WIN | Max Case Length: 2.045" | Trim Length: 2.035"

ACCURATE 4064

55	NOSLER	B-TIP	41.3	3,581	45.9	3,941	59,741	2.635	
55	SIERRA	BK	41.4	3,549	46.0	3,924	59,691	2.630	
58	HDY	V-MAX	40.5	3,464	45.0	3,843	59,498	2.600	

RAMSHOT BIG GAME

55	NOSLER	B-TIP	44.1	3,651	49.0	3,998	59,865	2.635	
55	SIERRA	BK	43.6	3,603	48.5	3,972	59,633	2.630	
58	HDY	V-MAX	43.5	3,559	48.4	3,923	59,771	2.600	
62	BARNES	VG	40.8	3,515	45.3	3,779	59,444	2.645	
70	SIERRA	HPBT MK	41.4	3,381	45.9	3,653	59,936	2.625	
75	HDY	V-MAX	39.7	3,232	44.1	3,509	59,881	2.620	

ACCURATE 2700

55	NOSLER	B-TIP	44.7	3,617	49.7	3,991	59,699	2.635	
55	SIERRA	BK	44.2	3,563	49.2	3,953	59,700	2.630	
58	HDY	V-MAX	44.3	3,500	49.2	3,893	59,725	2.600	
62	BARNES	VG	43.7	3,609	48.6	3,854	59,765	2.645	C
68	BERGER	FBT	42.8	3,424	47.5	3,697	59,739	2.650	
70	SIERRA	HPBT MK	43.5	3,437	48.4	3,704	59,706	2.625	
75	HDY	V-MAX	41.8	3,312	46.5	3,580	59,723	2.620	
80	NOSLER	B-TIP	40.4	3,149	44.9	3,399	59,780	2.695	
85	BARNES	TSX-FB	38.7	3,046	42.9	3,270	59,456	2.645	
87	HDY	V-MAX	39.1	3,033	43.5	3,261	59,605	2.640	
95	NOSLER	B-TIP	36.8	2,847	40.9	3,059	59,860	2.700	
100	HDY	BTSP	35.8	2,774	39.8	2,980	59,950	2.630	

ACCURATE 4350

62	BARNES	VG	43.7	3,282	48.6	3,648	56,000	2.645	C
68	BERGER	FBT	44.3	3,412	49.2	3,682	58,000	2.650	C
70	SIERRA	HPBT MK	44.1	3,295	49.0	3,616	56,000	2.625	C
75	HDY	V-MAX	43.7	3,253	48.5	3,579	59,437	2.620	C
80	NOSLER	B-TIP	42.6	3,140	47.3	3,436	59,771	2.695	C
85	BARNES	TSX-FB	37.3	2,990	41.5	3,221	59,328	2.645	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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243 WINCHESTER *(continued)*

ACCURATE 4350 *(continued)*

87	HDY	V-MAX	41.8	3,078	46.4	3,313	59,106	2.640	C
95	NOSLER	B-TIP	38.0	2,863	42.2	3,075	59,167	2.700	
100	SIERRA	SBT	34.8	2,741	38.4	2,911	59,232	2.650	

RAMSHOT HUNTER

55	NOSLER	B-TIP	49.4	3,771	54.9	4,086	59,368	2.635	C
55	SIERRA	BK	47.1	3,670	52.3	4,033	59,317	2.630	C
58	HDY	V-MAX	46.9	3,591	52.1	3,958	59,126	2.600	C
62	BARNES	VG	45.6	3,499	50.7	3,825	59,499	2.645	C
68	BERGER	FBT	45.6	3,516	50.7	3,766	59,804	2.650	
70	SIERRA	HPBT MK	46.0	3,486	51.2	3,764	59,774	2.625	
75	HDY	V-MAX	43.8	3,311	48.7	3,632	59,785	2.620	
80	NOSLER	B-TIP	43.0	3,133	47.8	3,447	59,756	2.695	
85	BARNES	TSX-FB	41.3	3,046	45.9	3,347	59,806	2.645	
87	HDY	V-MAX	41.8	3,036	46.4	3,336	59,943	2.640	
90	SIERRA	FMJBT	40.3	2,945	44.8	3,224	59,883	2.600	
95	BERGER	VLD	40.1	2,874	44.6	3,165	59,883	2.700	
95	NOSLER	B-TIP	39.2	2,857	43.6	3,126	59,789	2.700	
100	NOSLER	PART	38.8	2,668	43.1	2,964	59,850	2.710	
100	SIERRA	SBT	38.8	2,795	43.1	3,052	59,891	2.650	
105	HDY	A-MAX	38.3	2,753	42.6	2,989	59,605	2.700	
105	BARNES	BT-MB	39.0	2,747	43.3	3,018	59,668	2.700	
107	SIERRA	HPBT MK	38.9	2,736	43.2	3,001	59,114	2.700	
108	BERGER	BTT	37.9	2,717	42.1	2,964	59,489	2.700	
115	BERGER	VLD	35.9	2,609	39.9	2,828	59,928	3.000	
115	BARNES	RN	36.7	2,478	40.8	2,753	58,590	2.710	

ACCURATE MAGPRO

80	NOSLER	B-TIP	48.1	3,060	53.5	3,391	59,408	2.695	C
85	BARNES	TSX-FB	46.9	2,993	52.1	3,306	59,662	2.645	C
87	HDY	V-MAX	47.2	2,991	52.5	3,293	59,711	2.640	C
95	BERGER	VLD	46.6	2,833	51.8	3,135	57,500	2.705	C
95	NOSLER	B-TIP	45.3	2,859	50.4	3,145	59,709	2.700	C
100	SIERRA	SBT GK	45.2	2,861	50.2	3,107	59,880	2.650	C
105	HDY	A-MAX	45.5	2,773	50.5	3,049	59,000	2.700	C
105	BARNES	BT-MB	45.3	2,762	50.4	3,081	58,500	2.700	C
107	SIERRA	HPBT MK	45.0	2,741	50.0	3,010	58,000	2.700	C
108	BERGER	BTT	44.8	2,797	49.7	3,037	58,200	2.700	C
115	BERGER	VLD	44.5	2,734	49.4	2,955	58,150	2.865	C

RAMSHOT MAGNUM

80	NOSLER	B-TIP	48.8	3,044	54.2	3,373	59,214	2.695	C
85	BARNES	TSX-BT	47.7	2,998	52.9	3,269	59,264	2.645	C
87	HDY	V-MAX	47.5	2,959	52.8	3,266	59,645	2.640	C
95	NOSLER	B-TIP	46.1	2,822	51.2	3,137	59,723	2.700	C
100	SIERRA	SBT	45.7	2,824	50.7	3,092	59,704	2.650	C
105	HDY	A-MAX	45.3	2,756	50.3	3,029	59,762	2.700	C
105	BARNES	BT-MB	45.7	2,733	50.8	3,055	59,659	2.700	C
107	SIERRA	HPBT MK	46.1	2,778	51.2	3,073	59,804	2.700	C
108	BERGER	BTT	44.8	2,752	49.8	3,027	59,766	2.700	C
115	BERGER	VLD	44.4	2,721	49.3	2,962	59,766	2.870	

6MM REMINGTON

Barrel: 24" | Twist: 1-10" | Primer: FED 210M | Bullet Diameter: 0.243"
Case: REM | Max Case Length: 2.233" | Trim Length: 2.223"

ACCURATE 4064

55	NOSLER	B-TIP	40.5	3,547	45.0	4,031	60,180	2.765	
60	SIERRA	HP	40.9	3,432	45.5	3,901	63,600	2.750	
65	HDY	V-MAX	40.9	3,290	45.5	3,739	61,500	2.775	
70	NOSLER	B-TIP	40.0	3,235	44.5	3,677	63,200	2.775	

RAMSHOT BIG GAME

55	NOSLER	B-TIP	44.8	3,539	49.8	3,932	60,060	2.795	
70	NOSLER	B-TIP	42.3	3,263	47.0	3,625	62,500	2.810	
75	HDY	V-MAX	40.7	3,078	45.2	3,420	61,210	2.825	
80	SIERRA	SBT GK	41.4	3,078	46.0	3,420	62,720	2.825	
87	HDY	BTHP	39.2	2,952	43.5	3,280	62,500	2.825	
100	NOSLER	PART	37.4	2,696	41.5	2,996	61,780	2.790	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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ACCURATE 2700

55	NOSLER	B-TIP	45.1	3,445	50.5	3,915	59,944	2.765	C
62	BARNES	VARM	45.5	3,295	50.5	3,744	60,300	2.750	C
70	SIERRA	BK	44.1	3,145	49.0	3,574	62,500	2.775	
80	SIERRA	SPT	43.2	3,006	48.0	3,416	62,900	2.825	
87	HDY	V-MAX	41.9	2,852	46.5	3,241	59,800	2.810	
100	NOSLER	PART	41.0	2,692	45.5	3,059	61,400	2.825	
105	HDY	A-MAX	40.1	2,605	44.5	2,960	60,900	2.825	

ACCURATE 4350

80	NOSLER	B-TIP	44.6	2,997	49.5	3,406	61,800	2.825	C
87	HDY	SP	43.7	2,879	48.5	3,272	62,000	2.810	C
100	SIERRA	SBT GK	41.0	2,676	46.6	3,041	61,000	2.825	
105	HDY	A-MAX	39.6	2,563	44.0	2,912	59,200	2.825	
115	BARNES	RN	39.6	2,498	44.0	2,839	62,500	2.825	

RAMSHOT HUNTER

55	NOSLER	B-TIP	46.2	3,317	51.3	3,685	49,170	2.805	
60	SIERRA	HP	46.6	3,306	51.8	3,673	54,090	2.720	
70	NOSLER	B-TIP	46.4	3,203	51.5	3,559	57,910	2.810	
75	HDY	V-MAX	45.1	3,180	50.1	3,533	61,370	2.775	
80	NOSLER	B-TIP	42.3	3,011	47.0	3,346	57,390	2.825	
85	BARNES	TSX-BT	43.3	2,975	48.1	3,306	62,970	2.825	
95	WIN	CT BS	42.2	2,847	46.9	3,163	62,230	2.825	
100	SIERRA	SPT PH	40.4	2,745	44.9	3,050	62,370	2.825	

RAMSHOT MAGNUM

87	HDY	BTHP	48.0	2,862	53.3	3,180	59,500	2.810	C
100	HDY	BTSP INTK	47.7	2,756	53.0	3,062	60,610	2.800	C
100	NOSLER	PART	47.7	2,754	53.0	3,060	61,450	2.825	C

243 WINCHESTER SUPER SHORT MAGNUM (WSSM)

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.243"
Case: WIN | Max Case Length: 1.670" | Trim Length: 1.660"

ACCURATE 4064

58	HDY	V-MAX	42.3	3,500	47.0	3,888	59,300	2.260	C
75	HDY	V-MAX	38.7	3,112	43.0	3,458	62,700	2.310	
100	SIERRA	SBT GK	35.0	2,660	39.0	2,961	63,600	2.310	

ACCURATE 2700

75	HDY	V-MAX	44.0	3,240	49.0	3,606	61,500	2.310	
100	SIERRA	SBT GK	39.6	2,780	44.0	3,088	64,000	2.310	

ACCURATE 4350

75	HDY	V-MAX	41.5	3,050	46.0	3,358	62,500	2.310	
100	SIERRA	SBT GK	40.0	2,805	44.0	3,050	61,000	2.310	

RAMSHOT HUNTER

75	HDY	V-MAX	45.0	3,250	50.0	3,550	62,200	2.300	
80	BARNES	TTSX	44.1	3,175	49.0	3,525	64,500	2.205	C
85	SIERRA	HPBT GK	43.0	3,040	48.0	3,350	64,100	2.300	
85	BARNES	TSX-BT	43.6	3,086	48.4	3,468	62,714	2.222	C
100	SIERRA	SBT GK	41.0	2,830	46.0	3,150	63,900	2.310	

RAMSHOT MAGNUM

85	SIERRA	HPBT GK	49.0	2,950	54.0	3,280	62,500	2.295	C
100	SIERRA	SBT GK	47.0	2,850	52.0	3,150	62,500	2.310	C

240 WEATHERBY MAGNUM

Barrel: 24" | Twist: 1-10" | Primer: FED 210 | Bullet Diameter: 0.243"
Case: WB | Max Case Length: 2.500" | Trim Length: 2.490"

ACCURATE 4350

80	SPEER	SPZSP	45.9	3,062	51.0	3,480	65,200	3.100	
87	HDY	BTHP	45.0	2,968	50.0	3,373	65,200	3.100	
95	NOSLER	PART	44.1	2,852	49.0	3,241	65,500	3.065	
100	SPEER	SBTSP	43.2	2,762	48.0	3,139	63,600	3.095	

ACCURATE MAGPRO

62	BARNES	VG	57.6	3,658	64.0	4,010	64,500	3.100	C
75	BARNES	BAND-S	56.7	3,527	63.0	3,820	64,775	3.100	C
85	BARNES	TSX-BT	53.1	3,292	59.0	3,550	64,950	3.100	C

256 WINCHESTER MAGNUM

Barrel: 24" | Twist: 1-14" | Primer: Win WSR | Bullet Diameter: 0.257"
Case: WIN | Max Case Length: 1.281" | Trim Length: 1.271"

ACCURATE 1680

60	HDY	FP	16.2	2,423	18.0	2,753	40,900	1.580	
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CUP

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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256 WINCHESTER MAGNUM (continued)

ACCURATE 1680 (continued)

65 (L)	LYMAN	#257420	13.5	2,034	15.0	2,311	29,300	1.585	
75	SPEER	FN5P	14.9	2,120	16.5	2,409	37,400	1.575	

ACCURATE 2015

60	HDY	FP	18.0	2,138	20.0	2,430	30,600	1.580	C
65 (L)	LYMAN	#257420	16.2	1,952	18.0	2,218	27,000	1.585	C
75	SPEER	FN5P	18.0	2,133	20.0	2,424	36,100	1.575	C

25-35 WINCHESTER

Barrel: 20" | Twist: 1-8" | Primer: Win WLR | Bullet Diameter: 0.257"
Case: WIN | Max Case Length: 2.043" | Trim Length: 2.033"

ACCURATE 2495

CUP

60	HDY	FP	27.5	2,487	30.5	2,826	29,800	2.300	C
75	SPEER	FN5P	26.1	2,346	29.0	2,666	32,900	2.310	C
117	HDY	RN	22.5	1,919	25.0	2,181	32,300	2.545	

ACCURATE 2520

60	HDY	FN	28.8	2,674	32.0	3,039	35,000	2.300	
75	SPEER	FN5P	26.1	2,372	29.0	2,696	33,400	2.310	
117	HDY	RN	22.5	1,952	25.0	2,218	33,900	2.545	

ACCURATE 2700

60	HDY	FP	30.4	2,559	32.0	2,722	33,800	2.300	
75	SPEER	FN5P	30.4	2,486	32.0	2,645	37,000	2.310	C
117	HDY	RN	25.7	1,987	27.0	2,114	37,000	2.545	

250 SAVAGE

Barrel: 24" | Twist: 1-10" | Primer: FED 210 | Bullet Diameter: 0.257"
Case: REM | Max Case Length: 1.912" | Trim Length: 1.902"

ACCURATE 2015

CUP

75	SIERRA	HP	28.4	2,741	31.5	3,115	41,400	2.465	
90	SIERRA	HPBT GK	27.5	2,578	30.5	2,929	41,400	2.460	
100	HDY	SP	27.0	2,457	30.0	2,792	43,100	2.500	
117	SIERRA	SBT	25.7	2,262	28.5	2,571	45,000	2.515	

ACCURATE 2230

75	SIERRA	HP	30.2	2,740	33.5	3,114	43,800	2.465	
90	SIERRA	HPBT GK	28.8	2,556	32.0	2,905	41,000	2.460	
100	HDY	SP	27.0	2,343	30.0	2,662	40,400	2.500	
117	SIERRA	SBT	26.1	2,208	29.0	2,509	43,000	2.515	

ACCURATE 2460

75	SIERRA	HP	30.6	2,798	34.0	3,179	44,300	2.465	
90	SIERRA	HPBT GK	28.8	2,549	32.0	2,897	41,200	2.460	
100	HDY	SP	27.9	2,365	31.0	2,687	38,700	2.500	
117	SIERRA	SBT	26.6	2,198	29.5	2,498	40,800	2.515	

ACCURATE 2495

75	SIERRA	HP	30.6	2,789	34.0	3,169	42,600	2.465	
90	SIERRA	HPBT GK	29.3	2,598	32.5	2,952	42,500	2.460	
100	HDY	SP	28.8	2,435	32.0	2,767	43,600	2.500	
117	SIERRA	SBT GK	27.0	2,259	30.0	2,567	45,000	2.515	

ACCURATE 2520

75	SIERRA	HP	30.6	2,746	34.0	3,121	41,300	2.465	
90	SIERRA	HPBT GK	29.3	2,554	32.5	2,902	41,200	2.460	
100	HDY	SP	28.8	2,429	32.0	2,760	42,300	2.500	
117	SIERRA	SBT GK	27.0	2,225	30.0	2,528	44,300	2.515	

ACCURATE 4064

75	SIERRA	HP	32.4	2,789	36.0	3,170	41,500	2.465	
90	SIERRA	HPBT GK	31.5	2,637	35.0	2,997	42,400	2.460	
100	HDY	SP	31.5	2,520	35.0	2,864	41,500	2.500	
117	SIERRA	SBT GK	28.8	2,289	32.0	2,602	42,000	2.515	

ACCURATE 2700

75	SIERRA	HP	35.6	2,859	37.5	3,041	43,100	2.465	
90	SIERRA	HPBT GK	34.2	2,680	36.0	2,851	43,800	2.460	
100	HDY	SP	33.3	2,549	35.0	2,712	42,000	2.500	
117	SIERRA	SBT GK	31.4	2,340	33.0	2,489	41,100	2.515	

ACCURATE 4350

75	SIERRA	HP	36.9	2,670	41.0	3,034	43,600	2.465	C
90	SIERRA	HPBT GK	36.0	2,579	40.0	2,931	44,800	2.460	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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100	HDY	SP	35.1	2,447	39.0	2,781	42,500	2.500	C
117	SIERRA	SBT GK	33.3	2,311	37.0	2,626	42,300	2.515	C

257 ROBERTS

Barrel: 24" | Twist: 1-10" | Primer: FED 210 | Bullet Diameter: 0.257"
Case: REM | Max Case Length: 2.233" | Trim Length: 2.223"

RAMSHOT BIG GAME

75	SIERRA	HP	42.5	3,140	47.5	3,450	52,500	2.700	
100	NOSLER	B-TIP	37.5	2,750	42.0	3,020	52,900	2.775	
117	SIERRA	SBT	35.5	2,530	39.5	2,770	52,100	2.775	

ACCURATE 2700

75	SIERRA	HP	43.7	3,048	46.0	3,243	44,800	2.745	
85	BARNES	X	40.9	2,868	43.0	3,051	44,100	2.770	
90	SIERRA	HPBT GK	39.9	2,810	42.0	2,989	42,700	2.735	

ACCURATE 4350

75	HDY	V-MAX	42.3	2,866	47.0	3,257	43,600	2.745	C
85	BARNES	X	41.4	2,728	46.0	3,100	44,500	2.770	C
90	SIERRA	HPBT GK	40.5	2,641	45.0	3,001	42,100	2.735	
100	NOSLER	B-TIP	40.1	2,550	44.5	2,898	44,100	2.775	C
100	BARNES	TSX-BT	36.9	2,410	41.0	2,739	42,700	2.760	
117	SIERRA	SBT GK	38.7	2,376	43.0	2,700	44,100	2.775	

RAMSHOT HUNTER

75	SIERRA	HP	44.0	3,000	49.0	3,320	50,300	2.700	
100	NOSLER	B-TIP	40.0	2,690	45.0	3,000	52,200	2.775	
117	SIERRA	SBT GK	39.0	2,560	43.5	2,840	53,500	2.775	

257 ROBERTS +P

Barrel: 24" | Twist: 1-10" | Primer: FED 210 | Bullet Diameter: 0.257"
Case: REM | Max Case Length: 2.233" | Trim Length: 2.223"

ACCURATE 2520

75	SIERRA	HP	36.9	2,912	41.0	3,309	48,100	2.745	
85	BARNES	X	35.1	2,709	39.0	3,078	48,700	2.770	
90	SIERRA	HPBT GK	34.7	2,692	38.5	3,059	48,200	2.735	
100	NOSLER	B-TIP	33.8	2,525	37.5	2,869	48,700	2.775	
100	BARNES	TSX-BT	33.3	2,475	37.0	2,813	49,900	2.760	
117	SIERRA	SBT GK	32.9	2,357	36.5	2,678	49,300	2.775	

ACCURATE 4064

75	SIERRA	HP	39.0	2,966	43.3	3,370	51,000	2.745	
85	BARNES	X	37.3	2,750	41.5	3,125	49,000	2.770	
90	SIERRA	HPBT GK	37.3	2,755	41.5	3,131	49,400	2.735	
100	NOSLER	B-TIP	36.0	2,594	40.0	2,948	50,800	2.775	
100	BARNES	TSX-BT	35.1	2,533	39.0	2,879	49,600	2.760	
117	SIERRA	SBT GK	33.7	2,347	37.5	2,668	49,300	2.775	

ACCURATE 2700

75	SIERRA	HP	44.7	3,119	47.0	3,318	48,600	2.745	
85	BARNES	X	42.8	2,959	45.0	3,148	48,700	2.770	
90	SIERRA	HPBT GK	41.8	2,954	44.0	3,143	50,300	2.735	
100	NOSLER	B-TIP	40.9	2,761	43.0	2,937	49,200	2.775	
100	BARNES	TSX-BT	39.0	2,640	41.0	2,808	47,800	2.760	
117	SIERRA	SBT GK	39.0	2,532	41.0	2,694	48,000	2.775	

ACCURATE 4350

75	SIERRA	HP	44.1	2,966	49.0	3,370	47,200	2.745	C
85	BARNES	X	42.3	2,802	47.0	3,184	48,900	2.770	C
90	SIERRA	HPBT GK	42.3	2,786	47.0	3,166	49,900	2.735	C
100	NOSLER	BT	41.9	2,682	46.5	3,048	50,800	2.775	C
100	BARNES	TSX-BT	39.6	2,570	44.0	2,920	50,300	2.760	
117	SIERRA	SBT GK	39.6	2,410	44.0	2,739	48,400	2.775	

RAMSHOT HUNTER

75	SIERRA	HP	47.0	3,150	52.0	3,550	56,800	2.745	
100	NOSLER	B-TIP	42.0	2,800	46.5	3,090	57,300	2.775	
117	SIERRA	SBT GK	40.0	2,620	44.5	2,890	57,100	2.775	

RAMSHOT MAGNUM

100	NOSLER	B-TIP	50.0	2,780	53.5	3,050	57,200	2.775	C
117	SIERRA	SBT GK	47.0	2,630	51.5	2,900	56,500	2.775	C

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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257 ROBERTS ACKLEY IMPROVED

Barrel: 24" | Twist: 1-10" | Primer: FED 210 | Bullet Diameter: 0.257"
Case: REM | Max Case Length: 2.230" | Trim Length: N/A

ACCURATE 2700

75	SIERRA	HP	50.4	3,435	53.0	3,654	59,100	2.790	
85	BARNES	X	48.5	3,230	51.0	3,436	60,500	2.865	
90	SIERRA	HPBT GK	46.6	3,100	49.0	3,298	57,400	2.835	
100	NOSLER	B-TIP	46.1	2,991	48.5	3,182	59,600	2.945	
100	BARNES	TSX-BT	47.5	3,008	50.0	3,200	59,900	2.885	
115	NOSLER	PART	44.7	2,831	47.0	3,012	61,400	2.945	
120	SPEER	SBTSP	44.7	2,790	47.0	2,968	63,500	2.920	

ACCURATE 4350

75	SIERRA	FNPS	49.5	3,213	55.0	3,651	58,900	2.790	C
85	BARNES	X	47.7	3,056	53.0	3,473	61,700	2.865	C
90	SIERRA	HPBT GK	47.4	3,021	53.0	3,433	59,900	2.835	
100	NOSLER	B-TIP	46.4	2,886	51.5	3,279	61,600	2.945	
100	BARNES	TSX-BT	46.8	2,898	52.0	3,293	61,100	2.885	C
115	NOSLER	PART	44.6	2,685	49.5	3,051	60,200	2.945	
120	SPEER	SBTSP	44.6	2,660	49.5	3,023	61,700	2.920	

25 WINCHESTER SUPER SHORT MAGNUM (WSSM)

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.257"
Case: WIN | Max Case Length: 1.670" | Trim Length: 1.660"

ACCURATE 4064

87	HDY	SP	40.0	3,033	44.5	3,370	62,900	2.213	C
100	NOSLER	B-TIP	38.7	2,876	43.0	3,196	62,800	2.300	C
100	BARNES	TSX-BT	37.8	2,837	42.0	3,153	61,000	2.242	C
115	BARNES	TSX-FB	35.6	2,605	39.5	2,895	62,000	2.281	
117	HDY	BTSP	36.0	2,585	40.0	2,872	64,500	2.340	

RAMSHOT BIG GAME

90	SIERRA	HPBT GK	44.0	3,170	48.5	3,485	64,100	2.252	
100	NOSLER	B-TIP	41.0	2,950	46.0	3,280	64,500	2.320	
120	SIERRA	HPBT GK	39.0	2,675	43.5	2,980	63,410	2.275	

ACCURATE 2700

87	HDY	SP	46.4	3,192	51.5	3,547	61,500	2.213	C
100	NOSLER	B-TIP	43.7	2,982	48.5	3,313	64,800	2.300	C
100	BARNES	TSX-BT	43.2	2,970	48.0	3,300	62,200	2.242	C
115	BARNES	TSX-FB	40.0	2,700	44.5	3,010	63,300	2.281	
117	HDY	BTSP	41.4	2,750	46.0	3,056	63,900	2.340	

RAMSHOT HUNTER

90	SIERRA	HPBT GK	46.0	3,150	51.5	3,500	63,320	2.252	C
100	NOSLER	B-TIP	44.0	2,980	49.5	3,300	63,110	2.320	C
120	SIERRA	HPBT GK	42.0	2,730	47.0	3,040	64,750	2.275	C

25-06 REMINGTON

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.257"
Case: REM | Max Case Length: 2.494" | Trim Length: 2.484"

ACCURATE 4350

75	HDY	V-MAX	53.1	3,326	59.0	3,780	61,400	3.065	C
87	HDY	SP	49.5	3,203	55.0	3,501	61,490	3.120	
90	SIERRA	HPBT GK	48.6	3,055	54.0	3,472	62,900	3.075	
100	NOSLER	B-TIP	47.7	2,969	53.0	3,245	62,200	3.240	
117	HDY	BTSP	45.9	2,784	51.0	3,043	62,700	3.220	

RAMSHOT HUNTER

75	HDY	V-MAX	53.8	3,355	59.8	3,766	60,770	3.160	
90	BARNES	BAND-S	49.5	3,028	55.0	3,364	61,250	3.180	
100	SIERRA	HPBT MK	49.8	2,992	55.3	3,324	62,190	3.215	
117	HDY	BTSP	46.9	2,717	52.1	3,019	61,440	3.155	
120	NOSLER	PART	46.1	2,676	51.2	2,973	61,650	3.245	

ACCURATE MAGPRO

87	HDY	SP	56.3	3,261	62.5	3,573	60,900	3.100	C
90	SIERRA	HPBT GK	55.9	3,248	62.2	3,550	61,500	3.100	
100	NOSLER	B-TIP	54.6	3,019	60.7	3,296	62,150	3.170	C
117	HDY	BTSP	51.3	2,807	57.0	3,068	61,950	3.170	
120	SIERRA	HPBT GK	50.6	2,788	56.3	3,038	62,500	3.200	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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RAMSHOT MAGNUM

75	HDY	V-MAX	57.2	3,137	63.6	3,485	53,980	3.140	
90	BARNES	BAND-S	57.3	2,980	63.7	3,311	58,270	3.250	C
100	NOSLER	PART	55.6	2,937	61.8	3,263	58,020	3.250	
100	SIERRA	SPT PH	57.2	2,959	63.5	3,288	58,950	3.200	C
100	BARNES	TSX-BT	53.6	2,867	59.5	3,185	57,470	3.165	
115	NOSLER	PART	54.0	2,792	60.0	3,102	59,190	3.225	
117	HDY	BTSP	54.5	2,811	60.5	3,123	61,300	3.170	
117	SIERRA	SPT PH	53.8	2,768	59.8	3,076	60,540	3.200	
120	SIERRA	HPBT GK	53.1	2,768	59.0	3,025	61,750	3.200	

257 WEATHERBY MAGNUM

Barrel: 26" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.257"
Case: WBY | Max Case Length: 2.549" | Trim Length: 2.539"

ACCURATE 5744

70	SIERRA	BK	39.7	3,243	49.7	3,855	59,452	3.170	
90	SIERRA	BK	34.5	2,823	46.0	3,458	59,189	3.150	
120	NOSLER	PART	31.4	2,404	40.7	2,914	59,206	3.240	

ACCURATE 4350

70	SIERRA	BK	64.4	3,407	71.5	3,863	61,587	3.170	
75	HDY	HP	64.1	3,318	71.2	3,741	61,894	3.140	
85	NOSLER	B-TIP	60.6	3,246	67.3	3,597	61,547	3.240	
90	SIERRA	BK	60.4	3,190	67.1	3,586	61,489	3.150	
90	HDY	GMX	59.9	3,213	66.6	3,554	62,146	3.180	
100	HDY	SP	59.4	3,301	62.5	3,512	61,100	3.180	
100	SWIFT	AF	58.2	3,053	64.6	3,503	61,251	3.160	
100	NOSLER	E-TIP	56.5	3,072	62.7	3,350	61,728	3.240	
115	NOSLER	B-TIP	56.1	3,051	59.0	3,246	59,600	3.250	
120	SPEER	SBTSP	56.1	2,999	59.0	3,190	60,100	3.215	

ACCURATE MAGPRO

70	SIERRA	BK	71.9	3,398	79.9	3,826	61,359	3.170	
75	HDY	HP	70.5	3,320	78.3	3,736	62,348	3.140	
85	NOSLER	B-TIP	69.0	3,232	76.6	3,629	61,599	3.240	
90	SIERRA	BK	67.4	3,252	74.9	3,613	61,489	3.150	
90	HDY	GMX	67.5	3,228	75.0	3,624	62,486	3.180	
100	SWIFT	AF	65.4	3,087	72.6	3,451	61,135	3.160	
100	BARNES	TSX-BT	64.1	3,059	71.2	3,404	60,018	3.160	
100	NOSLER	E-TIP	63.8	3,045	70.9	3,422	61,829	3.240	
115	BARNES	TSX-FB	61.9	2,877	68.8	3,236	61,712	3.160	
115	BERGER	VLD	61.9	2,870	68.8	3,240	60,883	3.240	
117	SIERRA	SBT-GK	61.9	2,852	68.8	3,190	60,729	3.250	
120	NOSLER	PART	60.3	2,801	67.0	3,138	61,682	3.240	

RAMSHOT MAGNUM

70	SIERRA	BK	72.6	3,460	80.7	3,872	61,349	3.170	
75	HDY	HP	70.0	3,282	77.8	3,691	61,594	3.140	
85	NOSLER	B-TIP	69.4	3,244	77.1	3,623	62,003	3.240	
90	SIERRA	BK	67.2	3,221	74.6	3,604	62,318	3.150	
90	HDY	GMX	68.1	3,231	75.7	3,591	61,472	3.180	
100	SWIFT	AF	65.3	3,060	72.6	3,428	61,258	3.160	
100	BARNES	TSX-BT	65.9	3,091	73.3	3,461	62,361	3.160	
100	NOSLER	E-TIP	65.0	3,061	72.2	3,419	61,814	3.240	
115	BERGER	VLD	62.6	2,898	69.6	3,257	62,174	3.240	
115	BARNES	TSX-FB	63.3	2,908	70.4	3,238	61,628	3.160	
117	SIERRA	SBT-GK	62.0	2,856	68.9	3,207	61,568	3.250	
120	NOSLER	PART	61.2	2,800	68.0	3,141	61,843	3.240	

RAMSHOT LRT

85	NOSLER	B-TIP	76.5	3,222	84.9	3,638	61,048	3.240	C
90	HDY	GMX	74.4	3,195	82.7	3,594	60,108	3.180	C
90	SIERRA	BK	75.7	3,266	84.1	3,668	62,181	3.150	C
100	BARNES	TSX-BT	72.1	3,089	80.2	3,482	62,028	3.160	C
100	NOSLER	E-TIP	71.6	3,072	79.6	3,450	61,543	3.240	
100	SWIFT	AF	71.8	3,064	79.8	3,466	61,349	3.160	
115	BARNES	TSX-FB	69.3	2,902	77.0	3,263	62,084	3.160	
115	BERGER	VLD	69.2	2,929	76.9	3,290	61,428	3.240	
117	SIERRA	SBT-GK	68.7	2,898	76.4	3,249	62,341	3.250	
120	NOSLER	PART	69.1	2,882	76.8	3,218	62,037	3.240	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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6.5 GRENDDEL (FOR AR-15 STYLE WEAPONS)

Barrel: 20" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter: 0.264"
Case: ALEX | Max Case Length: 1.520" | Trim Length: 1.510"

ACCURATE LT-30

85	SIERRA	HP	24.3	2,513	27.0	2,754	51,738	2.130	
100	NOSLER	B-TIP	22.6	2,288	25.1	2,495	51,763	2.230	
100	BARNES	TTSX	21.3	2,179	23.6	2,366	51,256	2.260	
107	SIERRA	HPBT MK	22.3	2,228	24.7	2,440	51,462	2.260	C
123	LAPUA	SCENAR	19.8	1,979	22.0	2,154	51,357	2.260	

ACCURATE LT-32

85	SIERRA	HP	25.4	2,503	28.2	2,772	51,864	2.130	C
95	HDY	V-MAX	24.3	2,410	27.0	2,641	51,846	2.200	
100	NOSLER	B-TIP	24.0	2,321	26.6	2,538	51,984	2.230	
100	BARNES	TTSX	22.8	2,198	25.3	2,421	51,326	2.260	
107	SIERRA	HPBT MK	23.8	2,278	26.4	2,492	51,739	2.260	C
123	LAPUA	SCENAR	21.1	2,016	23.5	2,204	51,585	2.260	

ACCURATE 2200

85	SIERRA	HP	26.6	2,705	29.6	2,944	51,059	2.130	
95	HDY	V-MAX	25.1	2,541	27.9	2,756	51,720	2.200	
100	HDY	SP	25.0	2,472	27.8	2,703	51,743	2.215	
100	NOSLER	B-TIP	24.5	2,451	27.3	2,673	51,692	2.230	
100	BARNES	TTSX	24.0	2,398	26.7	2,603	51,256	2.260	
107	SIERRA	HPBT MK	24.4	2,390	27.2	2,639	51,916	2.260	
110	BARNES	BAND-S	23.1	2,328	25.7	2,528	51,127	2.245	
120	NOSLER	B-TIP	22.2	2,151	24.6	2,344	51,480	2.230	
120	SIERRA	HPBT MK	22.7	2,176	25.2	2,397	51,667	2.215	
123	LAPUA	SCENAR	22.1	2,142	24.5	2,348	51,645	2.260	
123	SIERRA	HPBT MK	22.7	2,176	25.3	2,382	50,891	2.260	

RAMSHOT X-TERMINATOR

85	SIERRA	HP	27.5	2,629	30.6	2,889	51,888	2.130	
95	HDY	V-MAX	26.4	2,509	29.4	2,766	51,364	2.200	
100	HDY	SP	26.5	2,468	29.4	2,695	51,626	2.215	
100	NOSLER	B-TIP	26.1	2,430	29.0	2,674	51,456	2.230	
100	BARNES	TTSX	25.8	2,346	28.7	2,610	51,237	2.260	
107	SIERRA	HPBT MK	25.6	2,374	28.5	2,606	51,725	2.260	C
110	BARNES	BAND-S	24.8	2,327	27.5	2,549	51,888	2.245	C
120	NOSLER	B-TIP	24.7	2,195	27.4	2,401	51,106	2.230	
120	SIERRA	HPBT MK	24.4	2,208	27.1	2,412	51,793	2.215	
123	LAPUA	SCENAR	24.1	2,184	26.8	2,388	51,668	2.260	
123	SIERRA	HPBT MK	24.7	2,233	27.4	2,424	51,435	2.260	

ACCURATE 2230

85	SIERRA	HP	27.5	2,629	30.6	2,889	51,888	2.130	
95	HDY	V-MAX	26.4	2,509	29.4	2,766	51,364	2.200	
100	HDY	SP	26.5	2,468	29.4	2,695	51,626	2.215	
100	NOSLER	B-TIP	26.1	2,430	29.0	2,674	51,456	2.230	
100	BARNES	TTSX	25.8	2,346	28.7	2,610	51,237	2.260	
107	SIERRA	HPBT MK	25.6	2,374	28.5	2,606	51,725	2.260	C
110	BARNES	BAND-S	24.8	2,327	27.5	2,549	51,888	2.245	C
120	NOSLER	B-TIP	24.7	2,195	27.4	2,401	51,106	2.230	
120	SIERRA	HPBT MK	24.4	2,208	27.1	2,412	51,793	2.215	
123	LAPUA	SCENAR	24.1	2,184	26.8	2,388	51,668	2.260	
123	SIERRA	HPBT MK	24.7	2,233	27.4	2,424	51,435	2.260	

ACCURATE 2460

85	SIERRA	HP	27.4	2,600	30.5	2,887	51,873	2.130	C
95	HDY	V-MAX	26.5	2,495	29.4	2,768	51,699	2.200	
100	HDY	SP	26.4	2,438	29.3	2,691	51,477	2.215	
100	NOSLER	B-TIP	26.1	2,411	29.1	2,670	51,881	2.230	
100	BARNES	TTSX	25.9	2,358	28.8	2,616	51,228	2.260	C
107	SIERRA	HPBT MK	25.5	2,344	28.3	2,600	51,644	2.260	C
110	BARNES	BAND-S	25.0	2,315	27.8	2,555	51,831	2.245	C
120	NOSLER	B-TIP	24.3	2,158	27.0	2,384	51,479	2.230	
120	SIERRA	HPBT MK	24.6	2,209	27.3	2,429	51,899	2.215	
123	LAPUA	SCENAR	24.1	2,169	26.8	2,383	51,471	2.260	C
123	SIERRA	HPBT MK	24.4	2,208	27.1	2,420	51,671	2.260	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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RAMSHOT TAC

85	SIERRA	HP	28.9	2,638	32.2	2,904	51,700	2.130	C
95	HDY	V-MAX	27.7	2,509	30.7	2,761	51,560	2.200	C
100	HDY	SP	28.0	2,473	31.1	2,724	51,852	2.215	C
100	NOSLER	B-TIP	27.7	2,447	30.8	2,696	51,393	2.230	C
100	BARNES	TTSX	27.0	2,360	30.0	2,625	51,495	2.260	C
107	SIERRA	HPBT MK	26.9	2,348	29.9	2,606	51,770	2.260	C
110	BARNES	BAND-S	26.0	2,310	28.9	2,540	51,903	2.245	C
120	SIERRA	HPBT MK	25.8	2,215	28.7	2,449	51,495	2.215	C
123	LAPUA	SCENAR	25.3	2,186	28.2	2,405	51,728	2.260	C
123	SIERRA	HPBT MK	25.4	2,206	28.2	2,424	51,647	2.260	C

ACCURATE 2520

85	SIERRA	HP	30.5	2,724	33.9	2,996	51,491	2.130	C
95	HDY	V-MAX	29.3	2,591	32.5	2,858	51,902	2.200	C
100	HDY	SP	29.4	2,556	32.6	2,806	51,589	2.215	C
100	NOSLER	B-TIP	28.6	2,512	31.8	2,767	51,834	2.230	C
100	BARNES	TTSX	28.8	2,476	32.0	2,737	51,359	2.260	C
107	SIERRA	HPBT MK	28.1	2,413	31.2	2,682	50,413	2.260	C
110	BARNES	BAND-S	27.3	2,360	30.3	2,608	50,001	2.245	C
120	SIERRA	HPBT MK	26.7	2,262	29.7	2,498	51,623	2.215	C
123	LAPUA	SCENAR	26.5	2,232	29.5	2,471	51,833	2.260	C
123	SIERRA	HPBT MK	26.7	2,259	29.6	2,491	51,736	2.260	C

6.5 X 50MM ARISAKA

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.264"
Case: NORMA | Max Case Length: 1.984" | Trim Length: 1.974"

ACCURATE 2495

85	SIERRA	HP	32.3	2,524	34.0	2,685	28,900	2.625	
100	HDY	SP	31.4	2,470	33.0	2,628	34,900	2.700	
129	HDY	SP	28.5	2,138	30.0	2,274	37,700	2.770	
140	SIERRA	SBT GK	26.6	2,035	28.0	2,165	35,900	2.850	
160	HDY	RN	28.5	1,983	30.0	2,110	38,700	2.795	

ACCURATE 2700

85	SIERRA	HP	34.2	2,557	36.0	2,720	33,600	2.625	
100	HDY	SP	33.3	2,421	35.0	2,576	36,300	2.700	
129	HDY	SP	31.4	2,131	33.0	2,267	38,100	2.770	
140	SIERRA	SBT GK	30.4	2,045	32.0	2,176	36,800	2.850	
160	HDY	RN	30.4	1,938	32.0	2,062	37,800	2.795	

ACCURATE 4350

85	SIERRA	HP	36.0	2,347	40.0	2,667	31,300	2.625	C
100	HDY	SP	35.1	2,311	39.0	2,626	37,200	2.700	C
129	HDY	SP	32.4	2,062	36.0	2,343	37,800	2.770	
140	SIERRA	SBT GK	31.5	1,980	35.0	2,250	36,300	2.850	
160	HDY	RN	30.6	1,865	34.0	2,119	35,900	2.795	

6.5 X 47MM LAPUA

Barrel: 24" | Twist: 1-9" | Primer: WIN WSR | Bullet Diameter: 0.264"
Case: LAPUA | Max Case Length: 1.840" | Trim Length: 1.830"

ACCURATE 2520

107	SIERRA	HPBT MK	35.1	2,806	39.0	3,118	61,260	2.647	
123	SIERRA	HPBT MK	33.3	2,582	37.0	2,869	60,600	2.637	

ACCURATE 4064

107	SIERRA	HPBT MK	36.0	2,787	40.0	3,097	60,020	2.647	C
123	SIERRA	HPBT MK	34.5	2,579	38.3	2,866	59,550	2.637	C
142	SIERRA	HPBT MK	33.0	2,384	36.7	2,649	61,760	2.693	C

RAMSHOT BIG GAME

107	SIERRA	HPBT MK	39.6	2,827	44.0	3,141	56,450	2.647	C
123	SIERRA	HPBT MK	38.3	2,655	42.5	2,950	58,270	2.637	C
142	SIERRA	HPBT MK	36.5	2,475	40.5	2,750	61,910	2.693	C

ACCURATE 2700

123	SIERRA	HPBT MK	37.8	2,606	42.0	2,896	54,820	2.637	C
142	SIERRA	HPBT MK	37.4	2,502	41.5	2,780	61,050	2.693	C

6.5 CREEDMOOR

Barrel: 24" | Twist: 1-9" | Primer: WIN WLR | Bullet Diameter: 0.264"
Case: HDY | Max Case Length: 1.920" | Trim Length: 1.910"

ACCURATE 4064

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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6.5 CREEDMOOR *(continued)*

ACCURATE 4064 *(continued)*

120	NOSLER	B-TIP	36.0	2,549	40.0	2,832	59,240	2.710	
123	HDY	SP	36.5	2,570	40.5	2,856	59,630	2.780	
130	SIERRA	TMK	33.7	2,507	37.5	2,722	60,539	2.800	
140	HDY	A-MAX	33.9	2,332	37.7	2,591	58,810	2.740	
142	SIERRA	HPBT MK	34.2	2,335	38.0	2,594	58,670	2.820	

RAMSHOT BIG GAME

107	SIERRA	HPBT MK	41.9	2,875	46.5	3,194	58,970	2.710	C
120	NOSLER	B-TIP	39.2	2,655	43.5	2,950	59,000	2.710	
123	SIERRA	HPBT MK	38.7	2,636	43.0	2,929	58,490	2.780	
130	SIERRA	TMK	36.5	2,553	40.5	2,778	60,384	2.800	
140	HDY	A-MAX	36.3	2,423	40.3	2,692	58,770	2.740	
142	SIERRA	HPBT MK	36.5	2,420	40.6	2,689	58,840	2.820	

ACCURATE 2700

120	NOSLER	B-TIP	39.6	2,629	44.0	2,921	58,410	2.710	
123	SIERRA	HPBT MK	39.9	2,655	44.3	2,950	58,450	2.780	
130	SIERRA	TMK	37.9	2,591	42.1	2,823	60,683	2.800	
140	HDY	A-MAX	37.8	2,432	42.0	2,702	58,550	2.740	
142	SIERRA	HPBT MK	37.8	2,433	42.0	2,703	58,490	2.820	

ACCURATE 4350

130	NORMA	GT	40.2	2,581	44.7	2,844	61,286	2.820	C
130	SIERRA	TMK	40.4	2,582	44.9	2,849	60,638	2.800	C
140	HDY	A-MAX	39.2	2,446	43.5	2,695	60,764	2.740	C
147	HDY	ELD-M	37.3	2,385	41.4	2,590	60,946	*2.860	

RAMSHOT HUNTER

120	NOSLER	B-TIP	42.8	2,697	47.5	2,997	58,280	2.710	C
123	SIERRA	HPBT MK	42.3	2,683	47.0	2,981	58,840	2.780	
130	SIERRA	TMK	39.7	2,616	44.1	2,846	61,427	2.800	
140	HDY	A-MAX	40.8	2,501	45.3	2,779	58,962	2.740	
142	SIERRA	HPBT MK	41.1	2,485	45.7	2,761	58,540	2.820	
147	HDY	ELD-M	37.8	2,418	42.0	2,626	61,389	*2.860	

SPECIAL NOTES ON THE 6.5 CREEDMOOR

* Longer than SAAMI maximum COL, not compatible with all magazines.

260 REMINGTON

Barrel: 24" | Twist: 1-9" | Primer: WIN WLR | Bullet Diameter: 0.264"
Case: REM | Max Case Length: 2.035" | Trim Length: 2.025"

RAMSHOT BIG GAME

95	HDY	V-MAX	41.4	2,882	46.0	3,202	52,110	2.750	
100	NOSLER	B-TIP	40.5	2,840	45.0	3,156	57,740	2.800	
107	SIERRA	HPBT MK	40.5	2,782	45.0	3,091	56,840	2.800	
120	BARNES	X	36.2	2,469	40.2	2,743	57,570	2.800	
129	HDY	SP	36.9	2,458	41.0	2,731	57,860	2.800	
140	BARNES	VLC	34.0	2,255	37.8	2,505	54,590	2.800	

ACCURATE 2700

85	SIERRA	HP	43.2	2,939	48.0	3,340	58,700	2.670	
100	NOSLER	B-TIP	40.5	2,746	45.0	3,121	58,900	2.765	
100	NOSLER	PART	41.0	2,783	45.5	3,163	59,600	2.720	
100	BARNES	X	38.5	2,635	42.8	2,995	56,500	2.750	
107	SIERRA	HPBT MK	41.4	2,722	46.0	3,094	58,200	2.800	
120	NOSLER	B-TIP	37.8	2,468	42.0	2,805	58,700	2.800	
125	NOSLER	PART	37.8	2,439	42.0	2,772	56,700	2.780	
129	HDY	SP	36.9	2,366	41.0	2,689	57,100	2.780	
140	HDY	A-MAX	36.0	2,271	40.0	2,581	58,000	2.750	
142	SIERRA	HPBT MK	36.9	2,323	41.0	2,640	58,800	2.800	

ACCURATE 4350

100	NOSLER	B-TIP	43.2	2,845	48.0	3,234	58,700	2.765	C
107	SIERRA	HPBT MK	43.2	2,797	48.0	3,179	58,900	2.800	C
120	NOSLER	B-TIP	40.0	2,594	44.5	2,948	60,000	2.800	C
125	NOSLER	PART	40.5	2,584	45.0	2,937	60,000	2.780	C
129	HDY	SP	39.6	2,493	44.0	2,833	58,400	2.780	
130	BARNES	X	36.4	2,323	40.5	2,640	58,600	2.750	
140	NOSLER	PART	38.2	2,405	42.5	2,733	59,400	2.780	
140	SIERRA	SBT GK	39.1	2,413	43.5	2,743	59,100	2.750	C
142	SIERRA	HPBT MK	38.7	2,414	43.0	2,744	57,500	2.800	C

RAMSHOT HUNTER

107	SIERRA	HPBT MK	44.6	2,777	49.6	3,086	54,580	2.800	C
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Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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120	NOSLER	B-TIP	41.2	2,581	45.8	2,868	57,080	2.795	
129	HDY	SP	39.2	2,422	43.5	2,691	53,420	2.800	
140	HDY	SP	39.2	2,354	43.6	2,615	54,790	2.795	
140	BARNES	X	36.7	2,272	40.8	2,524	53,640	2.800	
160	SIERRA	SMP PH	36.5	2,205	40.5	2,450	52,480	2.615	

6.5 X 55MM SWEDISH MAUSER

Barrel: 24" | Twist: 1-9" | Primer: WIN WLR | Bullet Diameter: 0.264"
Case: NORMA | Max Case Length: 2.165" | Trim Length: 2.155"

ACCURATE 2700

100	HDY	SP	43.0	2,832	47.7	3,147	54,778	2.905	
110	BARNES	BAND-S	40.5	2,766	45.0	3,025	54,723	2.980	
120	SIERRA	SPT PH	37.6	2,572	41.8	2,750	54,681	3.000	
129	HDY	SP	38.0	2,425	42.3	2,672	54,695	2.925	
140	SIERRA	SBT GK	35.9	2,360	39.9	2,564	54,892	2.900	

ACCURATE 4350

100	HDY	SP	45.1	2,792	50.2	3,154	54,625	2.905	C
110	BARNES	BAND-S	42.0	2,714	46.7	2,989	54,700	2.980	C
120	SIERRA	SPT PH	40.6	2,565	45.1	2,802	54,866	3.000	
129	HDY	SP	41.1	2,459	45.7	2,724	54,999	2.925	
130	BERGER	VLD	39.3	2,474	43.7	2,713	54,777	3.140	
140	BERGER	VLD	37.9	2,391	42.1	2,601	54,783	3.140	
140	NOSLER	PART	33.8	2,263	37.6	2,440	54,569	3.110	
140	SIERRA	SBT GK	38.4	2,383	42.7	2,594	54,723	2.900	

RAMSHOT HUNTER

100	HDY	SP	45.2	2,898	50.2	3,186	55,068	2.905	
110	BARNES	BAND-S	43.8	2,804	48.7	3,066	55,023	2.980	
120	SIERRA	SPT PH	41.1	2,589	45.7	2,839	54,930	3.000	
129	HDY	SP	40.9	2,522	45.4	2,762	55,084	2.925	
130	BERGER	VLD	39.4	2,513	43.8	2,760	55,003	3.140	
130	BARNES	TSX	38.2	2,360	42.5	2,588	54,489	2.950	
140	BERGER	VLD	37.7	2,396	41.9	2,622	54,998	3.140	
140	HDY	A-MAX	37.5	2,412	41.7	2,601	54,950	3.025	
140	NOSLER	PART	36.4	2,351	40.5	2,551	54,991	3.110	
140	SIERRA	SBT GK	38.5	2,394	42.8	2,629	54,655	2.900	

ACCURATE MAGPRO

100	HDY	SP	49.4	2,718	54.9	3,053	54,836	2.905	C
110	BARNES	BAND-S	47.0	2,652	52.2	2,948	54,891	2.980	C
120	SIERRA	SPT PH	46.6	2,544	51.8	2,836	54,999	3.000	
129	HDY	SP	45.8	2,433	50.9	2,720	55,027	2.925	C
130	BERGER	VLD	44.9	2,489	49.9	2,762	55,016	3.140	
130	BARNES	TSX	44.4	2,392	49.3	2,626	54,886	2.950	C
140	BERGER	VLD	44.4	2,435	49.4	2,676	54,899	3.140	
140	NOSLER	PART	42.1	2,422	46.7	2,615	54,788	3.110	
140	SIERRA	SBT GK	44.4	2,374	49.4	2,657	54,994	2.900	

RAMSHOT MAGNUM

100	HDY	SP	50.5	2,768	56.1	3,048	54,900	2.905	C
110	BARNES	BAND-S	48.6	2,662	54.0	2,934	54,623	2.980	C
120	SIERRA	SPT PH	47.5	2,567	52.8	2,822	54,702	3.000	
129	HDY	SP	46.2	2,435	51.3	2,690	54,971	2.925	C
130	BERGER	VLD	45.8	2,487	50.9	2,735	54,990	3.140	
130	BARNES	TSX	44.9	2,343	49.9	2,604	54,805	2.950	C
140	BERGER	VLD	44.4	2,381	49.4	2,632	54,770	3.140	
140	HDY	A-MAX	44.4	2,375	49.4	2,622	54,750	3.025	
140	NOSLER	PART	43.2	2,367	48.0	2,596	54,752	3.110	
140	SIERRA	SBT GK	45.7	2,392	50.7	2,639	54,721	2.900	C

6.5 X 284 WINCHESTER

Barrel: 26" | Twist: 1-9" | Primer: WIN WLR | Bullet Diameter: 0.264"
Case: NORMA | Max Case Length: 2.170" | Trim Length: 2.160"

RAMSHOT HUNTER

100	NOSLER	B-TIP	51.3	3,085	57.0	3,428	60,740	2.965	
120	SIERRA	HPBT MK	48.6	2,858	54.0	3,176	61,880	2.995	
129	HDY	SP	45.2	2,666	50.2	2,962	59,220	2.945	

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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6.5 X 284 WINCHESTER *(continued)*

ACCURATE MAGPRO

123	SIERRA	HPBT MK	55.4	2,948	61.5	3,275	63,500	2.898	C
142	SIERRA	HPBT MK	52.3	2,702	58.1	3,002	61,540	2.980	

RAMSHOT MAGNUM

120	SIERRA	HPBT MK	57.6	2,980	64.0	3,245	62,200	2.987	C
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6.5 X 284 NORMA

Barrel: 26" | Twist: 1-9" | Primer: CCI 200 | Bullet Diameter: 0.264"
Case: LAPUA | Max Case Length: 2.170" | Trim Length: 2.160"

ACCURATE 5744

85	SIERRA	HP	29.7	2,772	39.6	3,492	57,756	2.750	
123	SIERRA	HPBT MK	26.4	2,332	34.7	2,845	57,368	3.005	
142	SIERRA	HPBT MK	24.8	2,115	32.6	2,591	57,629	3.085	

ACCURATE 4350

85	SIERRA	HP	53.1	3,177	59.0	3,523	54,006	2.750	C
93	NORMA	SPT	52.8	3,182	58.7	3,465	57,068	2.740	C
100	BARNES	TTSX	48.9	3,107	54.3	3,322	59,451	2.950	
100	NOSLER	PART	50.6	3,187	56.2	3,394	59,451	2.870	C
100	SIERRA	HP	50.1	3,040	55.7	3,328	59,338	2.850	
120	HDY	GMX	44.6	2,772	49.5	2,965	59,268	2.970	
123	SIERRA	HPBT MK	47.7	2,866	53.0	3,064	59,449	3.005	

ACCURATE MAGPRO

85	SIERRA	HP	57.6	3,078	64.0	3,459	59,384	2.750	C
93	NORMA	SPT	57.4	3,074	63.8	3,411	59,329	2.740	C
100	BARNES	TTSX	56.3	3,026	62.6	3,318	59,458	2.950	C
100	NOSLER	PART	57.1	3,054	63.4	3,337	59,444	2.870	C
100	SIERRA	HP	55.9	2,968	62.1	3,280	58,946	2.850	
120	HDY	GMX	54.3	2,786	60.4	3,080	59,429	2.970	C
123	SIERRA	HPBT MK	53.0	2,791	58.9	3,078	59,386	3.005	
127	BARNES	LRX BT	51.5	2,738	57.2	2,941	59,451	2.990	
129	HDY	SST	53.4	2,727	59.4	3,016	59,432	2.950	C
129	NOSLER	A-BOND LR	54.1	2,714	60.1	3,023	59,454	2.900	C
130	BERGER	VLD	51.9	2,729	57.7	2,991	59,453	3.100	
130	SIERRA	HPBT MK	52.2	2,712	58.0	2,978	59,317	2.850	
139	LAPUA	SCENAR	49.5	2,643	55.0	2,873	59,329	3.035	
140	BARNES	BT-MB	50.7	2,625	56.3	2,907	59,447	3.065	
140	BERGER	BTTLR	51.5	2,667	57.2	2,918	59,438	3.150	
140	NOSLER	B-TIP	49.6	2,598	55.1	2,844	59,361	3.000	
142	SIERRA	HPBT MK	50.7	2,642	56.3	2,880	59,451	3.085	

RAMSHOT MAGNUM

85	SIERRA	HP	59.6	3,120	66.3	3,477	59,449	2.750	C
93	NORMA	SPT	58.8	3,069	65.4	3,420	59,416	2.740	C
100	BARNES	TTSX	56.9	2,975	63.2	3,297	59,352	2.950	C
100	NOSLER	PART	57.2	2,995	63.6	3,319	59,439	2.870	C
100	SIERRA	HP	56.7	2,949	63.0	3,283	59,364	2.850	C
120	HDY	GMX	55.0	2,758	61.1	3,073	59,460	2.970	C
123	SIERRA	HPBT MK	54.1	2,780	60.1	3,067	59,457	3.005	C
127	BARNES	LRX BT	52.5	2,691	58.4	2,935	59,443	2.990	C
129	HDY	SST	53.7	2,689	59.7	2,992	59,328	2.950	C
129	NOSLER	A-BOND LR	55.6	2,713	61.7	3,028	59,447	2.900	C
130	BERGER	VLD	53.3	2,726	59.2	3,005	59,462	3.100	
130	SIERRA	HPBT MK	52.4	2,660	58.2	2,946	59,121	2.850	
139	LAPUA	SCENAR	51.1	2,626	56.7	2,878	59,528	3.035	
140	BARNES	BT-MB	52.0	2,638	57.7	2,912	59,483	3.065	
140	BERGER	BTTLR	50.8	2,636	56.4	2,904	59,384	3.150	
140	NOSLER	B-TIP	51.6	2,575	57.4	2,845	59,416	3.000	
142	SIERRA	HPBT MK	51.6	2,603	57.3	2,877	59,451	3.085	

RAMSHOT LRT

139	LAPUA	SCENAR	58.1	2,736	64.5	2,988	57,019	3.035	C
140	BARNES	BT-MB	58.1	2,719	64.6	2,998	59,438	3.065	C
140	BERGER	BTTLR	59.7	2,768	66.3	3,064	58,919	3.150	C
140	NOSLER	B-TIP	59.0	2,716	65.5	3,005	59,643	3.000	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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6.5MM REMINGTON MAGNUM

Barrel: 24" | Twist: 1-9" | Primer: WIN WLRM | Bullet Diameter: 0.264"
Case: REM | Max Case Length: 2.170" | Trim Length: 2.160"

ACCURATE 2700

85	SIERRA	HP	55.1	3,358	58.0	3,572	55,600	2.740	
100	HDY	SP	52.3	3,168	55.0	3,370	57,900	2.800	
129	HDY	SP	48.9	2,826	51.5	3,006	59,300	2.800	

ACCURATE 4350

85	SIERRA	HP	56.7	3,337	63.0	3,792	63,900	2.740	C
100	HDY	SP	54.9	3,121	61.0	3,547	60,700	2.800	C
129	HDY	SP	50.4	2,759	56.0	3,135	60,400	2.800	C

6.5 PRC

Barrel: 24" | Twist: 1-9" | Primer: Rem 9 1/2M | Bullet Diameter: 0.264"
Case: HDY | Max Case Length: 2.030" | Trim Length: 2.015"

ACCURATE 5744

85	SIERRA	HP-V	36.4	3,228	42.8	3,624	63,496	2.620	
147	HDY	ELD-M	30.2	2,386	34.5	2,621	62,864	2.930	

ACCURATE 4350

85	SIERRA	HP-V	56.5	3,208	62.8	3,599	56,949	2.620	C
100	SIERRA	HP-V	55.2	3,114	61.4	3,472	63,989	2.720	C
120	BARNES	TSX-BT	49.3	2,883	54.7	3,126	63,867	2.780	
129	NOSLER	A-BOND LR	51.1	2,819	56.8	3,116	63,641	2.900	C
130	SIERRA	TGK	48.9	2,743	54.4	3,023	63,892	2.890	
140	BARNES	BT-MB	47.0	2,683	52.2	2,897	62,873	2.890	

ACCURATE MAGPRO

85	SIERRA	HP-V	58.9	3,015	69.3	3,551	62,159	2.620	C
100	SIERRA	HP-V	59.8	3,042	66.4	3,374	63,348	2.720	C
120	BARNES	TSX-BT	56.6	2,854	62.9	3,174	63,956	2.780	C
129	NOSLER	A-BOND LR	56.2	2,790	62.5	3,122	63,928	2.900	C
130	SIERRA	TGK	54.7	2,765	60.8	3,065	63,924	2.890	
140	BARNES	BT-MB	54.3	2,711	60.4	3,004	63,958	2.890	
147	HDY	ELD-M	52.6	2,616	58.5	2,897	63,176	2.930	

RAMSHOT MAGNUM

120	BARNES	TSX-BT	58.1	2,859	64.6	3,148	57,449	2.780	C
129	NOSLER	A-BOND LR	57.8	2,821	64.2	3,134	59,792	2.900	C
130	SIERRA	TGK	57.9	2,867	64.3	3,158	64,173	2.890	C
140	BARNES	BT-MB	55.6	2,721	61.8	3,018	63,967	2.890	C
147	HDY	ELD-M	55.2	2,690	61.3	2,937	62,986	2.930	C

RAMSHOT LRT

140	BARNES	BT-MB	58.8	2,677	65.4	2,946	55,006	2.890	C
147	HDY	ELD-M	57.2	2,551	63.5	2,834	52,968	2.930	C

264 WINCHESTER MAGNUM

Barrel: 24" | Twist: 1-9" | Primer: WIN WLRM | Bullet Diameter: 0.264"
Case: WIN | Max Case Length: 2.500" | Trim Length: 2.490"

ACCURATE MAGPRO

85	SIERRA	HP	69.5	3,328	77.3	3,689	63,626	3.100	
95	HDY	V-MAX	67.4	3,269	74.9	3,597	63,184	3.200	
100	NOSLER	B-TIP	68.2	3,274	75.8	3,597	63,549	3.215	
100	BARNES	TTSX	64.7	3,122	74.4	3,539	63,227	3.250	
110	BARNES	BAND-S	64.2	3,068	73.7	3,480	63,900	3.215	
120	NOSLER	B-TIP	63.9	3,022	71.0	3,307	63,384	3.220	
120	SIERRA	SPT PH	64.1	2,995	71.2	3,260	63,773	3.200	
120	BARNES	TSX	60.6	2,876	70.4	3,260	63,450	3.170	
120	BARNES	TTSX	59.8	2,875	69.6	3,246	63,520	3.250	
125	NOSLER	PART	62.2	2,966	69.1	3,230	63,577	3.225	
129	HDY	SP	62.1	2,896	69.0	3,163	63,116	3.200	
130	BARNES	TSX-FB	59.1	2,856	65.7	3,110	63,551	3.180	
140	BERGER	VLD	59.4	2,803	66.1	3,040	63,120	3.325	
140	HDY	A-MAX	60.6	2,781	67.3	3,053	63,015	3.210	
140	NOSLER	PART	59.3	2,798	65.8	3,054	63,222	3.245	
142	SIERRA	HPBT MK	56.8	2,724	63.1	3,014	63,004	3.320	
160	HDY	RN	57.1	2,611	63.4	2,840	63,101	3.250	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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264 WINCHESTER MAGNUM *(continued)*

RAMSHOT MAGNUM *(continued)*

95	HDY	V-MAX	67.9	3,258	75.5	3,590	63,417	3.200	
100	NOSLER	B-TIP	67.4	3,201	74.9	3,548	63,602	3.215	
100	BARNES	TTSX	63.8	3,093	73.3	3,506	63,466	3.250	
110	BARNES	BAND-S	65.9	3,053	74.9	3,439	63,750	3.215	
120	NOSLER	B-TIP	63.4	2,968	70.5	3,274	63,426	3.220	
120	SIERRA	SPT PH	62.5	2,890	69.4	3,200	63,220	3.200	
120	BARNES	TSX	63.1	2,991	70.1	3,253	63,625	3.170	
120	BARNES	TTSX	60.3	2,851	69.3	3,219	63,829	3.250	
125	NOSLER	PART	60.6	2,867	67.3	3,173	63,007	3.225	
129	HDY	SP	63.1	2,887	70.1	3,168	63,609	3.200	
130	BARNES	X	60.1	2,817	66.8	3,084	63,322	3.180	
140	BERGER	VLD	59.7	2,765	66.4	3,027	63,442	3.325	
140	HDY	A-MAX	61.5	2,754	68.3	3,049	63,304	3.210	
140	NOSLER	PART	58.8	2,740	65.3	3,020	63,853	3.245	
142	SIERRA	HPBT MK	57.7	2,693	64.2	3,021	63,575	3.320	
160	HDY	RN	56.8	2,571	63.2	2,813	63,552	3.250	

6.8 REMINGTON SPC

These loads apply to both 6.8SPC and SPC II.

Barrel: 20" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.277"
Case: REM | Max Case Length: 1.686" | Trim Length: 1.676"

ACCURATE 5744

85	BARNES	MPG	23.5	2,631	26.1	2,937	58,198	2.235	
90	SIERRA	HP-V	23.9	2,651	26.5	2,921	57,659	2.260	
95	BARNES	TTSX	22.6	2,514	25.1	2,805	58,402	2.260	
110	HDY	HP	21.8	2,359	24.2	2,619	58,000	2.260	
110	HDY	V-MAX	21.9	2,401	24.3	2,670	58,224	2.260	
110	SIERRA	SPT PH	22.5	2,427	25.0	2,671	58,364	2.260	
115	SIERRA	HPBT	22.1	2,358	24.5	2,607	58,320	2.260	
120	HDY	SST	20.5	2,171	22.8	2,402	58,349	2.260	
130	NOSLER	B-TIP	20.2	2,139	22.4	2,345	57,980	2.260	
140	NOSLER	B-TIP	19.6	2,048	21.8	2,243	58,003	2.260	
140	SIERRA	HPBT GK	19.7	2,078	21.8	2,307	58,426	2.260	

ACCURATE 1680

85	BARNES	MPG	24.8	2,574	27.6	2,818	58,156	2.235	
90	SIERRA	HP-V	24.8	2,548	27.5	2,757	55,423	2.260	
95	BARNES	TTSX	23.0	2,408	25.6	2,668	58,029	2.260	
110	HDY	HP	21.6	2,198	24.0	2,366	57,159	2.260	
110	HDY	V-MAX	22.4	2,278	24.9	2,454	58,019	2.260	
110	SIERRA	SPT PH	21.8	2,211	24.2	2,358	57,715	2.260	
115	SIERRA	HPBT MK	20.7	2,117	23.0	2,256	57,029	2.260	
120	HDY	SST	21.6	2,055	24.0	2,283	54,382	2.260	
130	NOSLER	B-TIP	20.8	2,003	23.1	2,196	56,956	2.260	
140	NOSLER	B-TIP	20.0	1,946	22.3	2,095	57,239	2.260	
140	SIERRA	HPBT GK	20.0	1,964	22.2	2,125	58,222	2.260	

ACCURATE LT-30

90	SIERRA	HP-V	26.6	2,583	29.6	2,840	54,591	2.260	C
95	BARNES	TTSX	24.8	2,428	27.6	2,723	51,069	2.260	C
110	HDY	V-MAX	24.6	2,376	27.3	2,639	58,222	2.260	C
120	HDY	SST	23.6	2,246	26.2	2,492	57,117	2.260	C
130	BERGER	VLD	22.6	2,099	25.1	2,347	52,369	2.260	C
130	BERGER	VLD	23.4	2,158	26.0	2,404	58,449	2.350	C
130	HDY	GMX	22.0	1,913	24.5	2,144	52,969	2.355	C
140	NOSLER	A-BOND	22.5	1,991	25.0	2,196	51,602	2.400	C

ACCURATE 2200

85	BARNES	MPG	28.0	2,737	31.1	3,020	54,997	2.235	C
90	SIERRA	HP-V	28.2	2,699	31.4	2,988	58,481	2.260	C
95	BARNES	TTSX	27.1	2,626	30.2	2,915	57,953	2.260	C
110	HDY	HP	25.7	2,410	28.6	2,685	57,899	2.260	C
110	HDY	V-MAX	25.7	2,439	28.6	2,711	58,420	2.260	C
110	SIERRA	SPT PH	26.1	2,454	29.0	2,685	58,410	2.260	
115	SIERRA	HPBT MK	25.2	2,372	28.0	2,614	58,221	2.260	
120	HDY	SST	24.5	2,289	27.2	2,543	58,500	2.260	C
130	NOSLER	B-TIP	24.2	2,205	26.9	2,434	54,333	2.260	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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140	NOSLER	B-TIP	23.0	2,094	25.6	2,298	53,506	2.260	C
140	SIERRA	HPBT GK	23.4	2,128	26.0	2,342	58,293	2.260	

ACCURATE 2015

85	BARNES	MPG	24.3	2,259	27.0	2,502	41,004	2.235	C
90	SIERRA	HP-V	25.5	2,379	28.4	2,600	45,301	2.260	C
95	BARNES	TTSX	23.7	2,149	26.3	2,406	41,300	2.260	C
110	HDY	V-MAX	23.7	2,172	26.3	2,406	48,029	2.260	C
110	SIERRA	SPT PH	24.2	2,216	26.9	2,430	52,160	2.260	C
115	SIERRA	HPBT MK	24.2	2,178	26.9	2,397	53,694	2.260	C
120	HDY	SST	22.9	1,884	25.5	2,124	42,587	2.260	C
130	NOSLER	B-TIP	21.0	1,868	23.3	2,016	41,021	2.260	C
140	SIERRA	HPBT GK	21.7	1,879	24.1	2,050	46,971	2.260	C

RAMSHOT X-TERMINATOR

85	BARNES	MPG	27.8	2,543	30.9	2,798	49,496	2.235	C
90	SIERRA	HP-V	29.3	2,649	32.6	2,870	52,489	2.260	C
95	BARNES	TTSX	27.0	2,419	30.0	2,659	47,810	2.260	C
110	HDY	V-MAX	27.0	2,398	30.0	2,618	53,169	2.260	C
115	SIERRA	HPBT MK	27.5	2,414	30.5	2,638	57,983	2.260	C
120	HDY	SST	26.5	2,275	28.5	2,457	56,850	2.260	C
130	NOSLER	B-TIP	24.1	2,092	26.8	2,269	48,745	2.260	C
140	SIERRA	HPBT GK	24.8	2,120	27.5	2,303	54,413	2.260	C

ACCURATE 2230

85	BARNES	MPG	27.8	2,543	30.9	2,798	49,496	2.235	C
90	SIERRA	HP-V	29.3	2,649	32.6	2,870	52,489	2.260	C
95	BARNES	TTSX	27.0	2,419	30.0	2,659	47,810	2.260	C
110	HDY	V-MAX	27.0	2,398	30.0	2,618	53,169	2.260	C
115	SIERRA	HPBT MK	27.5	2,414	30.5	2,638	57,983	2.260	C
120	HDY	SST	26.5	2,275	28.5	2,457	56,850	2.260	C
130	NOSLER	B-TIP	24.1	2,092	26.8	2,269	48,745	2.260	C
140	SIERRA	HPBT GK	24.8	2,120	27.5	2,303	54,413	2.260	C

270 WINCHESTER

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.277"
Case: WIN | Max Case Length: 2.540" | Trim Length: 2.530"

RAMSHOT BIG GAME

85	BARNES	MPG	55.4	3,488	61.5	3,802	64,726	3.100	
90	SIERRA	HP	52.5	3,311	58.3	3,632	64,665	3.175	
95	BARNES	TAC-TX	52.7	3,319	58.6	3,604	64,456	3.100	
110	HDY	V-MAX	49.9	3,108	55.5	3,381	64,913	3.100	
130	BERGER	VLD	47.1	2,844	52.4	3,081	64,504	3.250	
130	HDY	SST	47.8	2,821	53.1	3,095	64,366	3.235	
130	NOSLER	PART	48.0	2,822	53.4	3,076	64,106	3.285	
130	SIERRA	SBT GK	48.0	2,833	53.3	3,106	64,388	3.275	
130	BARNES	TSX-BT	46.5	2,761	51.7	3,049	64,600	3.300	
130	NOSLER	E-TIP	46.0	2,718	51.1	3,013	64,637	3.340	

ACCURATE 2700

85	BARNES	MPG	56.4	3,491	62.6	3,777	64,595	3.100	C
90	SIERRA	HP	53.3	3,311	59.3	3,621	64,478	3.175	
95	BARNES	TAC-TX	55.3	3,338	61.5	3,643	64,287	3.100	C
110	HDY	V-MAX	50.8	3,041	56.4	3,343	64,619	3.100	
130	BERGER	VLD	48.1	2,839	53.5	3,094	64,396	3.250	
130	HDY	SST	48.1	2,807	53.5	3,099	64,781	3.235	
130	NOSLER	PART	48.8	2,852	54.2	3,110	64,826	3.285	
130	SIERRA	SBT GK	48.9	2,877	54.4	3,105	64,374	3.275	
130	BARNES	TSX-BT	48.0	2,802	53.4	3,092	64,421	3.300	
130	NOSLER	E-TIP	45.9	2,784	51.0	3,009	64,099	3.340	
140	BERGER	VLD	46.8	2,722	52.0	2,979	64,888	3.250	
140	HDY	BTSP	46.9	2,704	52.1	2,977	64,625	3.210	
150	SIERRA	SBT GK	46.0	2,574	51.0	2,840	63,500	3.300	
160	NOSLER	PART	45.0	2,450	50.0	2,750	63,500	3.228	

ACCURATE 4350

90	SIERRA	HP	56.3	3,192	62.5	3,566	58,256	3.175	C
95	BARNES	TAC-TX	53.3	2,993	59.2	3,371	52,369	3.100	C
110	HDY	V-MAX	53.8	2,971	59.8	3,350	59,808	3.100	C
110	SIERRA	SPT PH	53.0	2,900	59.0	3,300	61,300	3.240	
130	BERGER	VLD	50.5	2,782	56.1	3,118	64,358	3.250	

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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270 WINCHESTER *(continued)*

ACCURATE 4350 *(continued)*

130	HDY	SST	51.0	2,814	56.7	3,132	64,073	3.235	C
130	NOSLER	B-TIP	49.5	2,660	53.5	3,000	63,500	3.300	
130	NOSLER	PART	50.2	2,853	55.8	3,117	64,521	3.285	
130	SIERRA	SBT GK	50.5	2,839	56.1	3,130	64,339	3.275	
130	BARNES	TSX-BT	50.7	2,815	56.4	3,112	64,222	3.300	C
130	NOSLER	E-TIP	46.9	2,753	52.1	3,020	64,032	3.340	
140	BERGER	VLD	49.0	2,699	54.4	3,009	64,401	3.250	
140	HDY	BTSP	50.0	2,745	55.5	3,045	64,269	3.210	C
140	NOSLER	A-BOND	47.4	2,708	52.7	2,962	64,615	3.340	
140	SIERRA	SBT GK	49.2	2,757	54.6	3,021	64,506	3.250	
150	BERGER	VLD	48.3	2,633	53.6	2,916	64,754	3.275	
150	HDY	SP	48.1	2,621	53.5	2,896	64,607	3.205	
150	NOSLER	PART	45.9	2,595	51.0	2,847	64,193	3.320	
150	SIERRA	SBT GK	47.3	2,656	52.6	2,912	64,715	3.250	
150	BARNES	TSX-FB	44.6	2,509	49.6	2,774	64,599	3.210	
160	NOSLER	PART	45.4	2,559	50.4	2,769	64,241	3.300	

RAMSHOT HUNTER

85	BARNES	MPG	58.8	3,482	65.4	3,759	59,203	3.100	C
90	SIERRA	HP	57.0	3,426	63.4	3,700	64,009	3.175	
90	SPEER	TNT HP	56.4	3,326	62.7	3,696	63,780	3.130	
95	BARNES	TAC-TX	58.8	3,422	65.3	3,690	62,162	3.100	C
110	HDY	V-MAX	53.5	3,139	59.4	3,419	64,699	3.100	
130	BERGER	VLD	50.2	2,907	55.8	3,147	64,668	3.250	
130	HDY	SST	50.9	2,895	56.5	3,153	64,374	3.235	
130	NOSLER	PART	50.0	2,833	55.6	3,112	64,365	3.285	
130	SIERRA	SBT GK	49.8	2,870	55.4	3,127	64,288	3.275	
130	BARNES	MRX-BT	51.3	2,833	57.0	3,148	64,210	3.210	C
130	BARNES	TSX-BT	51.0	2,862	56.6	3,145	64,508	3.300	
130	NOSLER	E-TIP	49.2	2,772	54.6	3,075	64,370	3.340	
140	BERGER	VLD	48.7	2,777	54.1	3,027	64,539	3.250	
140	HDY	BTSP	48.8	2,759	54.2	3,048	64,532	3.210	
140	NOSLER	A-BOND	48.3	2,727	53.7	2,999	64,632	3.340	
140	SIERRA	SBT GK	48.4	2,762	53.8	3,031	64,633	3.250	
140	BARNES	TSX-BT	48.6	2,670	54.0	2,967	63,490	3.200	
150	BERGER	VLD	47.4	2,660	52.7	2,908	64,645	3.275	
150	HDY	SP	46.7	2,609	51.9	2,863	64,200	3.205	
150	NOSLER	PART	46.4	2,622	51.5	2,869	64,334	3.320	
150	SIERRA	SBT GK	47.0	2,658	52.2	2,925	64,900	3.250	
150	BARNES	MRX-BT	47.7	2,579	53.0	2,866	62,870	3.210	
150	BARNES	TSX-FB	48.0	2,638	53.3	2,874	64,788	3.210	
160	NOSLER	PART	45.3	2,550	50.4	2,781	64,861	3.300	

ACCURATE MAGPRO

110	HDY	V-MAX	59.2	2,933	65.8	3,253	62,703	3.100	C
130	BERGER	VLD	57.3	2,836	63.7	3,117	64,355	3.250	C
130	HDY	SST	59.0	2,860	65.5	3,136	64,418	3.235	C
130	NOSLER	B-TIP	58.5	2,919	65.0	3,234	63,200	3.300	C
130	NOSLER	PART	57.0	2,846	63.3	3,122	64,386	3.285	C
130	SIERRA	SBT GK	57.3	2,846	63.7	3,123	64,501	3.275	C
130	BARNES	TSX-BT	58.8	2,839	65.3	3,096	62,489	3.300	C
130	NOSLER	E-TIP	57.2	2,855	63.6	3,102	64,713	3.340	C
140	BERGER	VLD	55.4	2,731	61.6	3,020	64,324	3.250	C
140	HDY	BTSP	57.0	2,808	63.3	3,062	64,603	3.210	C
140	NOSLER	A-BOND	56.4	2,810	62.7	3,054	64,800	3.340	C
140	SIERRA	SBT GK	56.5	2,819	62.8	3,051	64,447	3.250	C
150	BERGER	VLD	54.5	2,668	60.6	2,926	64,326	3.275	C
150	HDY	SP	54.5	2,657	60.6	2,909	64,474	3.205	C
150	NOSLER	PART	54.4	2,706	60.4	2,955	64,680	3.320	
150	SIERRA	SBT GK	54.9	2,722	61.1	2,974	64,722	3.250	C
150	BARNES	TSX-FB	53.6	2,602	59.6	2,888	64,333	3.210	C
160	NOSLER	PART	53.4	2,630	59.3	2,868	64,753	3.300	

RAMSHOT MAGNUM

110	HDY	V-MAX	59.6	2,935	66.2	3,223	61,100	3.100	C
130	BERGER	VLD	58.3	2,823	64.8	3,128	64,812	3.250	C
130	HDY	SST	59.1	2,845	65.7	3,127	64,039	3.235	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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130	NOSLER	PART	58.5	2,852	65.0	3,127	64,394	3.285	C
130	SIERRA	SBT GK	59.2	2,854	65.8	3,144	64,272	3.275	C
130	BARNES	TSX-BT	59.1	2,825	65.7	3,110	64,324	3.300	C
130	NOSLER	E-TIP	57.2	2,787	63.6	3,066	64,460	3.340	C
140	BERGER	VLD	56.2	2,728	62.4	3,008	64,497	3.250	C
140	HDY	BTSP	56.7	2,731	63.0	3,022	64,291	3.210	C
140	NOSLER	A-BOND	56.6	2,757	62.9	3,023	64,742	3.340	C
140	NOSLER	B-TIP	57.0	2,662	63.3	2,958	58,610	3.300	C
140	SIERRA	SBT GK	56.0	2,721	62.2	3,014	64,197	3.250	
150	BERGER	VLD	54.8	2,640	60.9	2,908	64,207	3.275	
150	HDY	SP	55.8	2,656	62.0	2,903	64,622	3.205	C
150	NOSLER	PART	53.9	2,608	59.9	2,885	64,189	3.320	
150	SIERRA	SBT GK	54.6	2,646	60.7	2,922	64,598	3.250	
150	BARNES	TSX-FB	56.1	2,588	62.3	2,891	64,029	3.210	C
160	NOSLER	PART	53.2	2,559	59.1	2,822	64,489	3.300	

270 WINCHESTER SHORT MAGNUM (WSM)

Barrel: 24" | Twist: 1-10" | Primer: WIN WLRM | Bullet Diameter: 0.277"
Case: WIN | Max Case Length: 2.100" | Trim Length: 2.090"

ACCURATE 5744

90	SIERRA	HP	36.2	2,964	50.3	3,757	64,138	2.700	
130	HDY	SST	33.4	2,581	43.6	3,107	64,673	2.785	
160	NOSLER	PART	32.8	2,381	40.0	2,729	64,459	2.800	

ACCURATE 4064

90	SIERRA	HP	57.4	3,393	63.8	3,751	64,647	2.700	
95	BARNES	TTSX	56.5	3,343	62.8	3,698	64,899	2.650	
110	HDY	V-MAX	54.9	3,124	61.0	3,479	64,532	2.665	

ACCURATE 2700

90	SIERRA	HP	62.4	3,448	69.3	3,799	64,079	2.700	
95	BARNES	TTSX	61.3	3,381	68.1	3,739	64,043	2.650	
110	HDY	V-MAX	59.6	3,176	66.2	3,542	64,629	2.665	

ACCURATE 4350

95	BARNES	TTSX	62.8	3,292	69.8	3,664	60,579	2.650	C
100	HDY	SP	60.7	3,258	67.3	3,547	64,617	2.675	
110	HDY	V-MAX	61.9	3,114	68.8	3,516	62,471	2.665	C
130	SIERRA	SBT GK	55.6	3,063	61.8	3,256	64,100	2.700	
130	BARNES	TSX-BT	53.0	2,888	59.0	3,192	63,600	2.792	
130	NOSLER	E-TIP	54.6	2,927	60.7	3,175	64,906	2.820	
140	HDY	BTSP	54.4	2,865	60.4	3,137	63,300	2.760	
150	SIERRA	SBT GK	52.6	2,774	58.4	2,992	64,369	2.760	
150	BARNES	TSX-FB	51.7	2,645	57.5	2,924	64,746	2.750	

RAMSHOT HUNTER

90	SIERRA	HP	66.5	3,524	73.9	3,824	64,454	2.700	C
95	BARNES	TTSX	63.9	3,376	71.1	3,680	60,549	2.650	C
110	HDY	V-MAX	61.4	3,250	68.2	3,541	64,821	2.665	
130	BARNES	TSX-BT	56.9	2,811	63.2	3,123	57,930	2.850	
130	NOSLER	E-TIP	56.6	2,957	62.9	3,204	64,886	2.820	
140	NOSLER	B-TIP	54.6	2,700	60.7	3,000	57,680	2.830	
150	SIERRA	SBT GK	53.9	2,642	59.9	2,935	59,390	2.845	
150	BARNES	TSX-FB	51.8	2,681	57.5	2,961	64,184	2.750	

ACCURATE MAGPRO

110	HDY	V-MAX	68.0	3,056	75.6	3,397	60,359	2.665	C
130	HDY	SST	66.5	2,933	73.9	3,255	63,689	2.785	C
130	SIERRA	SBT GK	68.0	3,062	75.5	3,359	61,600	2.700	C
130	BARNES	TSX-BT	65.3	2,925	72.5	3,250	62,300	2.792	C
130	NOSLER	E-TIP	64.5	2,943	71.6	3,229	64,586	2.820	C
140	BERGER	VLD	63.9	2,884	71.0	3,184	64,257	2.780	
140	HDY	BTSP	66.8	2,985	74.2	3,275	64,500	2.760	C
140	NOSLER	A-BOND	65.6	2,840	72.9	3,171	64,137	2.850	C
150	BERGER	VLD	63.9	2,801	71.0	3,106	64,389	2.800	
150	SIERRA	SBT GK	63.0	2,864	70.0	3,136	64,700	2.760	
150	BARNES	TSX-FB	60.2	2,748	66.9	3,019	64,968	2.750	
160	NOSLER	PART	61.8	2,737	68.7	2,994	64,653	2.800	

RAMSHOT MAGNUM

110	HDY	V-MAX	68.2	3,045	75.8	3,383	57,190	2.740	C
130	HDY	SP	68.5	2,994	76.1	3,327	64,990	2.790	C

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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270 WINCHESTER SHORT MAGNUM WSM *(continued)*

RAMSHOT MAGNUM *(continued)*

130	NOSLER	PART	67.4	2,918	74.9	3,242	63,210	2.800	C
130	SIERRA	SBT GK	68.0	2,977	75.5	3,308	62,250	2.835	C
130	NOSLER	E-TIP	65.3	2,913	72.5	3,201	63,262	2.820	C
135	NOSLER	PART	67.5	2,920	75.0	3,244	63,190	2.785	C
140	HDY	SP	66.2	2,815	73.5	3,128	62,690	2.800	C
140	NOSLER	B-TIP	66.6	2,877	74.0	3,197	63,860	2.815	C
150	HDY	SP	64.7	2,726	71.9	3,029	63,770	2.773	C
150	NOSLER	PART	64.9	2,793	72.1	3,103	63,330	2.835	C
150	BARNES	TSX-FB	61.4	2,743	68.3	3,006	64,229	2.750	
160	NOSLER	PART	64.0	2,688	71.1	2,987	62,250	2.800	C

270 WEATHERBY MAGNUM

Barrel: 26" | Twist: 1-10" | Primer: WIN WLRM | Bullet Diameter: 0.277"
Case: WBV | Max Case Length: 2.549" | Trim Length: 2.539"

ACCURATE 4350

110	HDY	HP	62.1	3,105	69.0	3,528	65,900	3.250	
130	BARNES	TSX-BT	59.4	2,840	66.0	3,227	62,900	3.250	
140	NOSLER	B-TIP	57.6	2,761	64.0	3,137	65,300	3.250	

7-30 WATERS

Barrel: 24" | Twist: 1-9" | Primer: WIN WLR | Bullet Diameter: 0.284"
Case: REM | Max Case Length: 2.040" | Trim Length: 2.030"

ACCURATE 2015

120	NOSLER	FN/BT	29.7	2,365	33.0	2,687	37,600	2.530	
139	HDY	FP	27.9	2,115	31.0	2,403	38,900	2.550	

ACCURATE 2230

120	NOSLER	FN/BT	30.6	2,328	34.0	2,646	38,800	2.530	
139	HDY	FP	30.6	2,237	34.0	2,542	40,000	2.550	

ACCURATE 2460

120	NOSLER	FN/BT	30.6	2,300	34.0	2,614	35,800	2.530	
139	HDY	FP	31.1	2,242	34.5	2,548	39,300	2.550	

ACCURATE 2495

120	NOSLER	FN/BT	33.3	2,372	37.0	2,696	35,100	2.530	C
139	HDY	FP	32.0	2,210	35.5	2,511	38,100	2.550	C

ACCURATE 2520

120	NOSLER	FN/BT	33.3	2,406	37.0	2,734	39,400	2.530	
139	HDY	FP	31.1	2,175	34.5	2,472	36,000	2.550	

ACCURATE 4064

120	NOSLER	FN/BT	34.2	2,398	38.0	2,725	38,200	2.530	C
139	HDY	FP	31.9	2,228	35.5	2,532	39,800	2.550	C

ACCURATE 2700

120	NOSLER	FN/BT	35.6	2,240	39.5	2,546	36,300	2.530	C
139	HDY	FP	34.2	2,131	38.0	2,422	38,200	2.550	C

7 X 57MM MAUSER

Barrel: 24" | Twist: 1-9" | Primer: FED 210 | Bullet Diameter: 0.284"
Case: WIN | Max Case Length: 2.235" | Trim Length: 2.225"

ACCURATE 4064

120	NOSLER	B-TIP	39.1	2,498	43.5	2,838	51,037	2.900	
140	SIERRA	SBT GK	37.8	2,361	42.0	2,683	53,336	3.025	
150	NOSLER	B-TIP	36.0	2,216	40.0	2,519	49,796	3.060	
160	SIERRA	SBT GK	35.1	2,117	39.0	2,406	51,448	3.020	

ACCURATE 2700

120	SIERRA	SPT PH	47.5	2,749	50.0	2,924	52,864	2.900	
139	HDY	SST	45.1	2,577	47.5	2,742	50,504	3.025	
150	NOSLER	B-TIP	43.7	2,468	46.0	2,626	50,976	3.060	
160	SIERRA	SBT GK	40.9	2,255	43.0	2,399	46,846	3.020	
175	HDY	SP	40.9	2,257	43.0	2,401	52,510	3.040	

7MM-08 REMINGTON

Barrel: 24" | Twist: 1-9" | Primer: FED 210 | Bullet Diameter: 0.284"
Case: REM | Max Case Length: 2.035" | Trim Length: 2.025"

ACCURATE 5744

100	SIERRA	HP-V	27.4	2,563	38.0	3,347	60,638	2.665	
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Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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140	NOSLER	A-BOND	24.8	2,202	33.1	2,761	60,687	2.800	
180	BERGER	VLD	22.5	1,925	30.0	2,397	60,719	2.800	

ACCURATE 2460

100	SIERRA	HP-V	40.6	3,022	45.1	3,271	58,386	2.665	
120	NOSLER	B-TIP	38.7	2,782	43.0	3,053	60,589	2.765	
130	SIERRA	HPBT MK	37.3	2,655	41.5	2,897	60,844	2.770	
139	HDY	SST	36.0	2,574	40.1	2,811	60,863	2.775	
139	HDY	GMX	36.3	2,517	40.3	2,768	60,949	2.775	
140	BARNES	TTSX	36.3	2,570	40.4	2,784	60,828	2.800	

ACCURATE 2495

100	SIERRA	HP-V	42.1	2,954	46.8	3,246	58,671	2.665	C
120	NOSLER	B-TIP	40.5	2,784	45.0	3,055	60,813	2.765	C
130	SIERRA	HPBT MK	38.6	2,662	42.9	2,899	60,948	2.770	
139	HDY	SST	38.4	2,577	42.6	2,835	60,685	2.775	
139	HDY	GMX	37.4	2,526	41.5	2,752	60,829	2.775	C
140	BERGER	VLD	37.4	2,531	41.6	2,797	60,984	2.800	
140	NOSLER	A-BOND	37.1	2,523	41.2	2,756	60,249	2.800	
140	BARNES	TTSX	37.4	2,533	41.5	2,756	60,892	2.800	
140	NOSLER	E-TIP	37.4	2,501	41.5	2,736	60,792	2.770	C
150	SIERRA	HPBT MK	36.4	2,453	40.5	2,677	60,849	2.780	
150	BARNES	TSX-BT	36.8	2,457	40.9	2,675	60,687	2.735	
150	NOSLER	E-TIP	36.1	2,395	40.1	2,611	60,985	2.770	
160	NOSLER	PART	35.3	2,366	39.2	2,565	60,872	2.800	
160	SWIFT	AF	36.0	2,334	40.0	2,551	58,863	2.770	
168	BERGER	VLD	36.5	2,347	40.5	2,580	60,819	2.800	
175	BARNES	TSX-FB	34.3	2,170	38.2	2,393	60,785	2.735	

ACCURATE 2520

100	SIERRA	HP-V	40.7	3,047	45.2	3,287	60,989	2.665	
120	NOSLER	B-TIP	39.0	2,802	43.3	3,054	60,971	2.765	
139	HDY	GMX	37.4	2,592	41.6	2,792	60,987	2.775	
140	BARNES	TTSX	37.0	2,577	41.1	2,788	60,987	2.800	

ACCURATE 4064

100	SIERRA	HP	41.4	2,786	46.0	3,166	54,870	2.665	C
120	NOSLER	B-TIP	38.7	2,603	43.0	2,958	56,758	2.765	C
130	SIERRA	HPBT MK	38.2	2,502	42.5	2,844	60,416	2.770	
139	HDY	SST	37.8	2,442	42.0	2,775	58,646	2.800	
139	HDY	GMX	38.2	2,516	42.5	2,714	56,784	2.775	C
140	BARNES	TTSX	39.0	2,575	43.4	2,791	59,168	2.800	C
140	NOSLER	E-TIP	38.8	2,529	43.1	2,772	60,387	2.770	C
150	SIERRA	SBT GK	36.9	2,346	41.0	2,667	58,764	2.800	
150	BARNES	TSX-BT	38.2	2,500	42.5	2,719	60,018	2.735	C
150	NOSLER	E-TIP	37.7	2,440	41.9	2,658	60,287	2.770	C
160	NOSLER	PART	36.0	2,246	40.0	2,553	60,973	2.800	
168	BERGER	VLD	37.8	2,375	42.0	2,612	60,748	2.800	C
175	BARNES	TSX-FB	35.5	2,192	39.5	2,413	59,267	2.735	C

RAMSHOT BIG GAME

100	HDY	HP	45.7	2,875	50.9	3,194	50,320	2.710	
120	BARNES	TSX-BT	44.2	2,756	49.1	3,062	57,850	2.835	
139	HDY	SP	43.2	2,558	48.0	2,842	56,560	2.800	
140	BARNES	TSX-BT	41.9	2,528	46.5	2,809	56,550	2.800	
140	BARNES	TTSX	43.0	2,638	47.8	2,880	59,487	2.800	C
140	NOSLER	E-TIP	42.7	2,597	47.5	2,870	60,502	2.770	C
150	NOSLER	PART	40.1	2,409	44.5	2,677	57,600	2.740	
150	BARNES	TSX-BT	41.6	2,550	46.2	2,782	60,068	2.735	C
150	NOSLER	E-TIP	41.6	2,507	46.2	2,728	58,868	2.770	C
160	NOSLER	PART	40.4	2,446	44.9	2,666	60,473	2.800	
160	SIERRA	HPBT GK	39.2	2,321	43.5	2,579	57,860	2.780	
160	SWIFT	AF	40.6	2,411	45.1	2,658	60,358	2.770	
160	BARNES	TSX-FB	37.3	2,219	41.4	2,465	56,830	2.800	
168	BERGER	VLD	40.6	2,421	45.2	2,660	60,814	2.800	
175	HDY	SP	38.3	2,185	42.5	2,428	57,790	2.750	
175	BARNES	TSX-FB	39.0	2,289	43.3	2,510	60,848	2.735	C

ACCURATE 2700

100	SIERRA	HP	45.6	2,859	48.0	3,041	59,826	2.665	
120	HDY	V-MAX	44.2	2,699	46.5	2,871	58,056	2.765	
130	SIERRA	HPBT	42.8	2,612	45.0	2,779	59,590	2.770	

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RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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7MM-08 REMINGTON (continued)

ACCURATE 2700 (continued)

140	NOSLER	B-TIP	42.3	2,538	44.5	2,700	58,410	2.800	
150	SIERRA	HPBT MK	41.3	2,477	43.5	2,635	60,997	2.800	
150	BARNES	TSX-BT	40.2	2,446	44.7	2,689	53,372	2.735	C
160	NOSLER	PART	39.9	2,311	42.0	2,458	53,808	2.800	
168	SIERRA	HPBT MK	39.9	2,157	42.0	2,451	55,814	2.800	

ACCURATE 4350

139	HDY	SST	42.8	2,467	47.5	2,803	58,764	2.800	C
150	SIERRA	SBT GK	41.9	2,403	46.5	2,731	60,298	2.800	C
160	NOSLER	PART	41.4	2,314	46.0	2,630	58,292	2.800	C
168	SIERRA	HPBT MK	41.4	2,284	46.0	2,596	59,472	2.800	C

RAMSHOT HUNTER

150	SIERRA	HPBT MK	44.5	2,601	49.5	2,817	59,896	2.780	C
160	NOSLER	PART	43.7	2,490	48.5	2,695	58,186	2.800	C
160	SIERRA	HPBT GK	44.0	2,550	48.0	2,750	58,500	2.800	C
160	SWIFT	AF	43.5	2,421	48.4	2,626	53,876	2.770	C
168	BERGER	VLD	41.8	2,404	46.5	2,601	54,894	2.800	C
175	SIERRA	SBT GK	42.0	2,450	46.0	2,650	58,500	2.800	C
175	BARNES	TSX-FB	39.1	2,191	43.5	2,400	52,764	2.735	C

284 WINCHESTER

Barrel: 24" | Twist: 1-9" | Primer: WIN WLR | Bullet Diameter: 0.284"
Case: WIN | Max Case Length: 2.170" | Trim Length: 2.160"

ACCURATE 2700

100	HDY	HP	48.0	2,865	50.5	3,048	50,800	2.800	
120	SPEER	SP	46.1	2,640	48.5	2,808	51,200	2.800	
139	HDY	SP	44.7	2,471	47.0	2,629	50,000	2.800	
150	SIERRA	SBT GK	42.8	2,382	45.0	2,534	50,300	2.800	

ACCURATE 4350

100	HDY	HP	50.9	2,794	56.5	3,175	53,800	2.800	C
120	SPEER	SP	49.1	2,612	54.5	2,968	54,300	2.800	
139	HDY	SP	48.6	2,504	54.0	2,845	54,200	2.800	C
150	SIERRA	SBT GK	46.8	2,432	52.0	2,764	53,400	2.800	

280 REMINGTON (7MM EXPRESS)

Barrel: 24" | Twist: 1-9" | Primer: FED 210 | Bullet Diameter: 0.284"
Case: REM | Max Case Length: 2.540" | Trim Length: 2.530"

ACCURATE 2700

100	SIERRA	HP	53.2	3,057	56.0	3,252	53,100	3.150	
120	NOSLER	B-TIP	49.9	2,821	52.5	3,001	57,000	3.200	

ACCURATE 4350

100	SIERRA	HP	53.1	2,918	59.0	3,316	55,800	3.150	C
120	SIERRA	SPT PH	51.3	2,739	57.0	3,112	57,700	3.200	
154	HDY	SP	48.6	2,486	54.0	2,825	59,600	3.330	
160	NOSLER	PART	46.8	2,413	52.0	2,742	58,200	3.300	

RAMSHOT HUNTER

130	SIERRA	HPBT MK	49.3	2,699	54.8	2,999	55,460	3.315	
139	HDY	SP	49.7	2,649	55.2	2,943	57,490	3.285	
140	BARNES	XBT	48.2	2,596	53.5	2,884	56,540	3.330	
150	NOSLER	PART	49.0	2,560	54.5	2,850	57,500	3.330	
160	BARNES	X	45.5	2,383	50.5	2,648	56,080	3.310	
175	SIERRA	SBT GK	44.6	2,319	49.5	2,577	55,320	3.330	

RAMSHOT MAGNUM

160	SIERRA	SBT GK	52.6	2,457	58.4	2,730	54,530	3.255	
162	HDY	BTSP	54.3	2,517	60.3	2,797	58,590	3.255	
175	HDY	SP	53.0	2,395	58.9	2,661	59,640	3.245	C
175	NOSLER	PART	50.9	2,353	56.5	2,614	58,780	3.285	
175	SIERRA	SBT GK	53.0	2,408	58.9	2,676	56,820	3.260	C

7MM REMINGTON SHORT ACTION ULTRA MAGNUM (SAUM)

Barrel: 24" | Twist: 1-9.5" | Primer: FED 215 | Bullet Diameter: 0.284"
Case: REM | Max Case Length: 2.035" | Trim Length: 2.025"

ACCURATE 2700

140	SIERRA	SBT GK	53.0	2,750	59.0	3,000	64,100	2.800	
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Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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154	HDY	SP	51.5	2,620	57.5	2,890	62,000	2.825	
160	SIERRA	HPBT GK	50.0	2,520	55.5	2,780	62,900	2.800	

ACCURATE 4350

140	SIERRA	SBT GK	54.0	2,840	60.0	3,130	63,500	2.800	
154	HDY	SP	52.5	2,750	58.0	3,005	63,500	2.825	
160	SIERRA	HPBT GK	51.0	2,670	56.5	2,930	63,100	2.800	
175	SIERRA	SBT GK	49.5	2,550	55.0	2,800	62,500	2.820	

RAMSHOT HUNTER

140	NOSLER	B-TIP	55.0	2,800	61.0	3,050	63,400	2.800	
160	SIERRA	SBT GK	52.0	2,620	58.0	2,900	63,500	2.800	

ACCURATE MAGPRO

160	SIERRA	HPBT GK	60.0	2,700	66.0	3,020	60,000	2.800	C
175	SIERRA	SBT GK	58.0	2,590	64.0	2,900	60,200	2.820	

RAMSHOT MAGNUM

160	SIERRA	SBT GK	63.0	2,750	68.0	3,020	64,070	2.800	C
175	SIERRA	HPBT MK	59.0	2,540	66.0	2,850	64,120	2.800	C

7MM REMINGTON MAGNUM

Barrel: 24" | Twist: 1-9" | Primer: WIN WLRM | Bullet Diameter: 0.284"
Case: WIN | Max Case Length: 2.500" | Trim Length: 2.490"

ACCURATE 4350

120	HDY	HP	60.0	2,970	66.7	3,273	59,814	3.200	
120	NOSLER	B-TIP	60.9	3,022	67.7	3,319	60,266	3.200	
120	BARNES	TSX-BT	58.9	3,051	65.4	3,307	60,617	3.230	
139	HDY	BTSP	59.6	2,845	66.2	3,142	60,904	3.230	
140	NOSLER	PART	54.6	2,773	60.7	3,000	60,284	3.220	
140	SIERRA	SBT GK	59.1	2,810	65.6	3,089	60,793	3.250	
140	BARNES	TTSX	54.1	2,773	60.1	2,987	60,407	3.240	
140	NOSLER	E-TIP	53.6	2,802	59.6	2,949	60,996	3.185	
150	NOSLER	PART	55.6	2,724	61.8	2,942	60,868	3.245	
150	SIERRA	SBT GK	58.7	2,714	65.2	2,988	60,380	3.205	
150	BARNES	TSX-BT	52.9	2,658	58.8	2,863	60,142	3.190	
150	NOSLER	E-TIP	51.9	2,602	57.6	2,823	60,706	3.330	
154	HDY	SP	57.9	2,680	64.4	2,935	60,888	3.290	
160	NOSLER	A-BOND	56.4	2,622	62.6	2,863	60,831	3.290	
160	SIERRA	SBT GK	57.6	2,654	64.0	2,898	60,749	3.245	
160	SPEER	SPZSP	58.7	2,659	65.2	2,923	60,604	3.220	
160	BARNES	TSX-FB	51.5	2,530	57.2	2,709	60,492	3.240	
162	HDY	A-MAX	57.0	2,537	63.4	2,890	60,506	3.290	
168	BERGER	VLD	57.6	2,555	64.0	2,838	60,435	3.290	
168	SIERRA	HPBT MK	58.2	2,578	64.6	2,857	60,071	3.260	
175	NOSLER	PART	52.1	2,534	57.9	2,740	60,193	3.290	
175	SIERRA	SBT GK	53.5	2,597	59.5	2,782	60,932	3.245	
175	BARNES	TSX-FB	49.4	2,470	54.9	2,672	60,221	3.240	
180	BERGER	VLD	53.7	2,547	59.7	2,750	60,171	3.290	
180	SIERRA	HPBT MK	49.8	2,505	55.4	2,688	60,813	3.290	

RAMSHOT HUNTER

120	HDY	HP	57.6	2,928	64.0	3,220	59,609	3.200	
120	BARNES	TSX-BT	57.6	2,966	64.0	3,283	60,487	3.230	

ACCURATE MAGPRO

120	HDY	HP	69.2	3,019	76.9	3,315	60,135	3.200	
120	NOSLER	B-TIP	69.4	3,016	77.1	3,347	60,518	3.200	
120	BARNES	TSX-BT	67.7	3,068	75.2	3,332	60,532	3.230	
139	HDY	BTSP	68.3	2,921	75.8	3,207	60,689	3.230	
140	NOSLER	PART	65.7	2,874	73.0	3,118	59,156	3.220	
140	SIERRA	SBT GK	67.4	2,876	74.9	3,152	60,457	3.250	
140	BARNES	TTSX	64.9	2,825	72.1	3,111	60,506	3.240	
140	NOSLER	E-TIP	65.8	2,810	73.2	3,093	60,218	3.185	
150	NOSLER	PART	64.6	2,757	71.8	3,020	59,582	3.245	
150	SIERRA	SBT GK	66.0	2,738	73.4	3,056	60,479	3.205	
150	BARNES	TSX-BT	64.4	2,734	71.5	3,024	60,308	3.190	
150	NOSLER	E-TIP	62.7	2,703	69.7	2,981	60,056	3.330	
154	HDY	SP	66.1	2,744	73.4	3,028	60,702	3.290	
160	NOSLER	A-BOND	63.9	2,662	71.0	2,958	60,446	3.290	
160	SIERRA	SBT GK	65.3	2,717	72.5	2,993	60,699	3.245	
160	SPEER	SP	66.2	2,722	73.5	3,009	60,735	3.220	

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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7MM REMINGTON MAGNUM (continued)

ACCURATE MAGPRO (continued)

160	BARNES	TSX-FB	63.8	2,631	70.9	2,935	60,865	3.240	
162	HDY	A-MAX	64.3	2,672	71.5	2,967	60,311	3.290	
168	BERGER	VLD	63.2	2,741	70.2	3,001	60,920	3.290	
168	SIERRA	HPBT MK	64.7	2,604	71.9	2,930	60,864	3.260	
175	NOSLER	PART	60.7	2,614	67.4	2,875	60,642	3.290	
175	SIERRA	SBT GK	62.1	2,632	69.0	2,912	60,395	3.245	
175	BARNES	TSX-FB	60.4	2,621	67.2	2,877	60,466	3.240	
180	BERGER	VLD	61.5	2,584	68.3	2,885	60,555	3.290	
180	SIERRA	HPBT MK	60.9	2,615	67.7	2,877	60,852	3.290	

RAMSHOT MAGNUM

120	HDY	HP	69.5	2,992	77.3	3,293	60,058	3.200	
120	NOSLER	B-TIP	69.9	3,019	77.7	3,322	60,741	3.200	
120	BARNES	TSX-BT	68.6	3,003	76.3	3,332	60,704	3.230	
139	HDY	BTSP	67.4	2,837	74.9	3,171	60,775	3.230	
140	NOSLER	PART	67.1	2,835	74.6	3,116	60,089	3.220	
140	SIERRA	SBT GK	66.8	2,814	74.2	3,116	60,365	3.250	
140	BARNES	TTSX	67.3	2,797	74.8	3,108	60,782	3.240	
140	NOSLER	E-TIP	68.1	2,763	75.7	3,092	60,436	3.185	
150	NOSLER	PART	65.6	2,722	72.8	3,016	60,871	3.245	
150	SIERRA	SBT GK	67.1	2,740	74.6	3,052	60,654	3.205	
150	BARNES	TSX-BT	67.0	2,709	74.4	3,019	60,572	3.190	
150	NOSLER	E-TIP	65.9	2,670	73.2	2,986	60,724	3.330	
154	HDY	SP	65.1	2,656	72.3	2,967	60,368	3.290	
160	NOSLER	A-BOND	66.4	2,685	73.8	2,961	60,217	3.290	
160	SIERRA	SBT GK	65.1	2,646	72.3	2,948	60,357	3.245	
160	SPEER	SP	66.3	2,686	73.6	2,976	60,664	3.220	
160	BARNES	TSX-FB	66.8	2,615	74.2	2,931	60,913	3.240	
162	HDY	A-MAX	66.4	2,653	73.8	2,959	60,288	3.290	
168	BERGER	VLD	64.8	2,711	72.0	2,993	60,639	3.290	
168	SIERRA	HPBT	65.6	2,639	72.9	2,904	60,514	3.260	
175	NOSLER	PART	63.4	2,647	70.4	2,879	60,487	3.290	
175	SIERRA	SBT GK	63.9	2,659	71.0	2,915	60,881	3.245	
175	BARNES	TSX-FB	62.0	2,604	68.9	2,844	60,303	3.240	
180	BERGER	VLD	63.3	2,629	70.3	2,886	60,573	3.290	
180	SIERRA	HPBT MK	61.6	2,614	68.5	2,848	60,396	3.290	

7MM WINCHESTER SHORT MAGNUM (WSM)

Barrel: 24" | Twist: 1-9" | Primer: WIN WLRM | Bullet Diameter: 0.284"
Case: WIN | Max Case Length: 2.100" | Trim Length: 2.090"

ACCURATE 4350

120	HDY	HP	60.3	3,153	67.0	3,423	63,400	2.760	
140	SIERRA	SBT GK	58.7	3,013	65.2	3,232	63,500	2.760	
154	HDY	SP	54.9	2,836	61.0	3,026	62,900	2.760	
160	SIERRA	HPBT GK	54.7	2,737	60.8	2,969	62,200	2.760	
175	SIERRA	SBT GK	50.4	2,555	56.0	2,785	62,700	2.760	

RAMSHOT HUNTER

100	HDY	HP	64.3	3,255	71.4	3,617	58,670	2.790	
130	BARNES	XBT	56.7	2,850	63.0	3,150	63,000	2.860	
140	NOSLER	B-TIP	58.1	2,808	64.5	3,120	58,410	2.860	
150	NOSLER	PART	56.0	2,712	62.2	3,013	59,290	2.840	
162	HDY	BTSP	54.3	2,600	60.3	2,889	58,900	2.860	
175	NOSLER	PART	52.7	2,498	58.6	2,776	60,760	2.855	

ACCURATE MAGPRO

120	HDY	HP	69.7	3,138	77.5	3,419	56,800	2.760	C
140	SIERRA	SBT GK	68.1	3,001	75.7	3,272	59,900	2.760	C
154	HDY	SP	66.1	2,808	73.4	3,107	59,500	2.760	C
160	SIERRA	HPBT GK	64.8	2,820	72.0	3,063	60,200	2.760	C
175	SIERRA	SBT GK	64.0	2,729	71.1	2,966	61,700	2.760	C

RAMSHOT MAGNUM

130	SIERRA	HPBT MK	69.4	2,923	77.1	3,248	55,420	2.845	C
139	HDY	SST	69.0	2,921	76.7	3,245	58,960	2.850	C
140	BARNES	XBT	70.1	2,890	77.9	3,211	59,440	2.850	C
150	NOSLER	BST	68.8	2,847	76.4	3,163	62,160	2.845	C
160	SIERRA	SBT GK	66.5	2,776	73.9	3,084	64,010	2.840	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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162	HDY	BTSP	67.5	2,777	75.0	3,085	63,710	2.860	C
175	NOSLER	PART	65.0	2,633	72.2	2,925	63,380	2.850	C

REDUCED LOADS - NO OTHER LOAD RECOMMENDED

ACCURATE 5744

160	SIERRA	HPBT GK	26.5	1,519				2.760	
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7MM STW (SHOOTING TIMES WESTERNER)

Barrel: 24" | Twist: 1-9" | Primer: FED 215 | Bullet Diameter: 0.284"
Case: REM | Max Case Length: 2.850" | Trim Length: 2.840"

RAMSHOT MAGNUM

130	SIERRA	HPBT MK	78.5	3,138	87.2	3,487	59,990	3.550	
139	HDY	SST	77.4	3,092	86.0	3,435	61,600	3.590	
140	NOSLER	B-TIP	75.6	2,972	84.0	3,302	61,660	3.540	
150	BARNES	X	74.7	2,927	83.0	3,252	62,530	3.550	
160	NOSLER	PART	72.9	2,854	81.0	3,171	61,070	3.600	

28 NOSLER

Barrel: 24" | Twist: 1-9" | Primer: FED 215 M | Bullet Diameter: 0.284"
Case: NOSLER | Max Case Length: 2.590" | Trim Length: 2.580"

RAMSHOT LRT

139	HDY	GMX	87.3	3,037	97.0	3,382	64,359	3.340	C
145	BARNES	LTX BT	85.5	2,968	95.0	3,312	63,958	3.340	C
150	NOSLER	B-TIP	84.3	2,946	93.7	3,293	63,736	3.340	
160	SIERRA	TMK	82.9	2,873	92.2	3,221	63,963	3.340	
168	SIERRA	HPBT MK	80.7	2,780	89.7	3,119	64,178	3.340	
175	NOSLER	PART	78.9	2,722	87.7	3,028	64,337	3.340	
180	BERGER	VLD	79.2	2,711	88.0	3,022	64,428	3.340	
183	SIERRA	HPBT MK	76.7	2,688	85.3	2,964	63,912	3.600*	

SPECIAL NOTES ON THE 28 NOSLER

* Longer than SAAMI maximum COL, not compatible with all magazines.

30 CARBINE

Barrel: 17.5" | Twist: 1-16" | Primer: WIN WSR | Bullet Diameter: 0.308"
Case: REM | Max Case Length: 1.290" | Trim Length: 1.280"

ACCURATE NO. 9

90	HDY	HP/XTP	12.4	2,127	13.8	2,325	45,400	1.550	
110	HDY	FMJ	11.7	1,863	13.0	2,036	44,250	1.680	
110	SIERRA	FMJ PH	11.8	1,850	13.1	2,055	46,150	1.680	
110	SPEER	TMJ RN	11.5	1,831	12.8	2,034	45,800	1.680	
110 (L)	LC	RN	11.0	1,792	12.3	1,959	45,450	1.680	
115 (L)	LYMAN	#311359	10.0	1,678	11.2	1,834	45,028	1.635	
130 (L)	LYMAN	#311410	9.6	1,620	10.7	1,776	45,200	1.680	

RAMSHOT ENFORCER

90	HDY	HP/XTP	15.1	2,150	16.8	2,385	42,500	1.550	C
110	HDY	FMJ	14.0	1,980	15.5	2,164	43,500	1.680	
110	SIERRA	FMJ PH	14.2	1,990	15.8	2,175	43,150	1.680	
110	SPEER	TMJ RN	13.8	1,880	15.3	2,055	42,950	1.680	
110 (L)	LC	RN	14.0	1,957	15.5	2,173	44,000	1.680	
115 (L)	LYMAN	#311359	12.4	1,835	13.8	2,005	43,912	1.635	
130 (L)	LYMAN	#311410	11.1	1,673	12.3	1,829	41,500	1.680	

ACCURATE 4100

90	HDY	HP/XTP	15.1	2,150	16.8	2,385	42,500	1.550	C
110	HDY	FMJ	14.0	1,980	15.5	2,164	43,500	1.680	
110	SIERRA	FMJ PH	14.2	1,990	15.8	2,175	43,150	1.680	
110	SPEER	TMJ RN	13.8	1,880	15.3	2,055	42,950	1.680	
110 (L)	LC	RN	14.0	1,957	15.5	2,173	44,000	1.680	
115 (L)	LYMAN	#311359	12.4	1,835	13.8	2,005	43,912	1.635	
130 (L)	LYMAN	#311410	11.1	1,673	12.3	1,829	41,500	1.680	

300 AAC BLACKOUT

Barrel: 16" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter: 0.308"
Case: REM | Max Case Length: 1.368" | Trim Length: 1.358"

RAMSHOT ENFORCER

110	HDY	V-MAX	17.4	2,182	19.3	2,362	54,472	2.068	C
110	SIERRA	FMJ PH	17.5	2,191	19.4	2,358	54,293	1.850	
110	BARNES	TAC-TX	17.1	2,112	19.0	2,311	54,426	2.250	C
125	NOSLER	B-TIP	16.5	2,048	18.4	2,224	54,680	2.165	

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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300 AAC BLACKOUT (continued)

RAMSHOT ENFORCER (continued)

125	SIERRA	SPT PH	16.4	2,038	18.3	2,200	53,500	2.035	
130	BARNES	TTSX	14.4	1,808	16.0	1,998	54,852	2.065	C
150	SIERRA	HPBT MK	15.3	1,851	17.0	2,012	54,635	2.150	
150	SIERRA	FMJBT GK	15.1	1,817	16.7	1,970	54,981	2.140	
155	SIERRA	HPBT MK	14.4	1,757	16.0	1,905	52,917	2.190	

ACCURATE 4100

110	HDY	V-MAX	17.4	2,182	19.3	2,362	54,472	2.068	C
110	SIERRA	FMJ PH	17.5	2,191	19.4	2,358	54,293	1.850	
110	BARNES	TAC-TX	17.1	2,112	19.0	2,311	54,426	2.250	C
125	NOSLER	B-TIP	16.5	2,048	18.4	2,224	54,680	2.165	
125	SIERRA	SPT PH	16.4	2,038	18.3	2,200	53,500	2.035	
130	BARNES	TTSX	14.4	1,808	16.0	1,998	54,852	2.065	C
150	SIERRA	HPBT MK	15.3	1,851	17.0	2,012	54,635	2.150	
150	SIERRA	FMJBT GK	15.1	1,817	16.7	1,970	54,981	2.140	
155	SIERRA	HPBT MK	14.4	1,757	16.0	1,905	52,917	2.190	

ACCURATE NO. 11 FS

110	BARNES	TAC-TX	17.2	1,989	19.8	2,274	47,296	2.250	C
110	HDY	V-MAX	18.3	2,095	21.0	2,381	51,376	2.068	C
125	SIERRA	TMK	17.2	1,960	19.7	2,188	53,261	2.220	C
130	BARNES	TTSX	14.4	1,687	16.5	1,936	43,318	2.065	C
150	SIERRA	HPBT MK	15.2	1,723	17.4	1,941	53,987	2.150	C
155	SIERRA	TMK	14.3	1,678	16.4	1,888	54,884	2.190	C

ACCURATE 5744

125	NOSLER	B-TIP	18.9	1,984	21.0	2,207	51,979	2.165	C
130	BARNES	TTSX	16.7	1,718	18.5	1,940	50,574	2.065	C
150	SIERRA	HPBT MK	17.8	1,862	19.8	2,073	54,951	2.150	C
150	SIERRA	FMJBT GK	17.8	1,848	19.9	2,053	54,993	2.140	C
155	SIERRA	HPBT MK	17.0	1,778	18.8	1,982	52,503	2.190	C
168	SIERRA	HPBT MK	16.7	1,694	18.5	1,897	54,161	2.200	C
175	SIERRA	HPBT MK	16.5	1,679	18.4	1,868	54,992	2.215	C
210	BERGER	BTTLR	13.6	1,382	15.1	1,552	53,587	2.245	C
210	SIERRA	HPBT MK	12.5	1,280	13.9	1,453	53,656	2.170	C
220	SIERRA	HPBT MK	10.9	1,085	11.4	1,216	42,598	2.089	C
230	BERGER	THOTM	10.9	1,106	11.7	1,219	43,574	2.245	C

ACCURATE 1680

125	NOSLER	B-TIP	19.4	1,925	21.5	2,126	39,257	2.165	C
130	BARNES	TTSX	17.0	1,704	18.9	1,923	44,632	2.065	C
150	SIERRA	HPBT MK	19.4	1,895	21.6	2,086	51,553	2.150	C
150	SIERRA	FMJBT GK	19.5	1,877	21.7	2,057	54,564	2.140	C
155	SIERRA	HPBT MK	18.6	1,817	20.7	2,010	49,099	2.190	C
168	SIERRA	HPBT MK	17.8	1,667	19.7	1,840	54,268	2.200	C
175	SIERRA	HPBT MK	17.7	1,637	19.7	1,801	54,855	2.215	C
210	BERGER	BTTLR	14.4	1,403	16.0	1,582	54,216	2.245	C
210	SIERRA	HPBT MK	12.9	1,308	14.4	1,458	50,189	2.170	C
220	SIERRA	HPBT MK	10.9	1,085	12.0	1,263	40,075	2.089	C
230	BERGER	THOTM	10.9	1,106	12.7	1,288	46,157	2.245	C

300 AAC BLACKOUT (SUBSONIC LOADS)

Barrel: 16" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter: 0.308"
Case: REM | Max Case Length: 1.368" | Trim Length: 1.358"

ACCURATE NO. 11 FS

210	SIERRA	HPBT MK	9.4	1,074			31,654	2.170	
220	SIERRA	HPBT MK	9.4	1,099			38,754	2.089	C
230	BERGER	THOTM	9.7	1,084			40,767	2.245	

ACCURATE 5744

210	BERGER	BTTLR	11.2	1,102			27,489	2.245	
210	SIERRA	HPBT MK	11.0	1,092			32,821	2.170	C
220	SIERRA	HPBT MK	10.7	1,081			37,267	2.089	C
230	BERGER	THOTM	11.0	1,106			37,882	2.245	C

ACCURATE 1680

210	BERGER	BTTLR	11.7	1,104			23,796	2.245	
210	SIERRA	HPBT MK	10.8	1,089			26,589	2.170	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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220	SIERRA	HPBT MK	10.9	1,085			32,296	2.089	C
230	BERGER	THOTM	10.7	1,086			31,584	2.245	C

ACCURATE LT-30

208	HDY	BTHP	12.2	1,059			25,610	2.245	C
210	SIERRA	HPBT MK	12.4	1,056			27,390	2.225	C
220	SIERRA	HPBT MK	12.5	1,055			28,870	2.220	C

300 HAM'R

Barrel: 18" | Twist: 1-12" | Primer: CCI 450 | Bullet Diameter: 0.308"

Case: STAR | Max Case Length: 1.605" | Trim Length: 1.595"

ACCURATE 1680

110 *	BARNES	TTSX	24.4	2,365	27.2	2,578	47,868	2.200	C
110 *	LHG	CC	25.6	2,308	28.5	2,550	54,917	2.245	C
110 *	SIERRA	HP	26.7	2,486	29.6	2,684	52,764	2.200	C
125 *	SPEER	TNT-HP	23.9	2,180	26.5	2,416	57,481	2.200	C
125	SIERRA	SPT	24.1	2,212	26.7	2,418	57,284	2.248	C
130	SPEER	SPFN	23.6	2,215	26.2	2,369	57,349	2.185	C
135	SIERRA	HP-V	22.9	2,110	25.4	2,281	57,814	2.250	
150	SIERRA	FN	21.8	1,998	24.2	2,144	57,967	2.245	

SPECIAL NOTES ON THE 300 HAM'R

* May require care when pouring max charge, extremely compressed.

30 BR REMINGTON

Barrel: 24" | Twist: 1-12" | Primer: FED 205 | Bullet Diameter: 0.308"

Case: REM | Max Case Length: 1.520" | Trim Length: 1.510"

ACCURATE LT-30

110	HDY	V-MAX	31.3	2,768	34.7	3,018	58,716	2.150	C
110	BARNES	TTSX	30.6	2,720	34.0	2,983	58,401	2.270	C
112	BIB	HPFB	30.4	2,641	33.7	2,919	58,701	2.200	C
115	BERGER	FBT	30.3	2,654	33.6	2,919	58,639	2.240	C
118	BIB	HPFB	30.9	2,651	34.3	2,898	58,520	2.270	C
125	SIERRA	HP	28.7	2,521	31.9	2,763	58,488	2.290	C

30-30 WINCHESTER

Barrel: 24" | Twist: 1-12" | Primer: WIN WLR | Bullet Diameter: 0.308"

Case: WIN | Max Case Length: 2.039" | Trim Length: 2.029"

ACCURATE 5744

125	SIERRA	HP/FN	20.5	1,950	27.3	2,511	40,392	2.420	
150	NOSLER	CTRN	18.5	1,714	24.7	2,228	41,987	2.515	
170	SIERRA	FN	18.9	1,724	24.2	2,127	41,539	2.520	
170 (L)	LC	RNFP	19.8	1,791	22.0	2,035	32,800	2.550	
170 (L)	TS	RNFPGC	18.7	1,795	24.3	2,197	41,297	2.520	

ACCURATE LT-32

125	SIERRA	HP/FN	30.6	2,386	34.0	2,586	41,927	2.420	C
150	NOSLER	CTRN	26.6	2,043	29.5	2,228	41,147	2.515	
170	SIERRA	FN	25.4	1,941	28.3	2,095	41,263	2.520	
170 (L)	TS	RNFPGC	25.7	2,057	28.6	2,215	40,969	2.520	

ACCURATE 2015

125	SIERRA	HP/FN	29.5	2,279	32.8	2,468	41,876	2.420	
150	SIERRA	FN	27.5	2,142	30.5	2,341	40,892	2.520	
160	HDY	FTX	24.9	1,933	27.7	2,095	41,953	2.535	
170	SIERRA	FN	25.7	1,992	28.5	2,189	40,423	2.520	
170 (L)	LC	RNFP	24.3	1,930	27.0	2,121	39,446	2.550	

RAMSHOT X-TERMINATOR

125	SIERRA	HP/FN	29.7	2,322	33.0	2,517	41,391	2.420	
170	TS	RNFPGC	26.2	2,089	29.1	2,234	41,859	2.520	

ACCURATE 2230

110	HDY	RN	32.4	2,450	36.0	2,725	41,500	2.440	
125	SIERRA	HP/FN	29.7	2,322	33.0	2,517	41,391	2.420	
150	SIERRA	FN	27.9	2,185	31.0	2,375	41,200	2.520	
160	HDY	FTX	27.5	1,995	30.5	2,128	40,275	2.535	
170	NOSLER	PART RN	25.6	1,925	28.5	2,110	40,500	2.545	
170 (L)	TS	RNFPGC	26.2	2,089	29.1	2,234	41,859	2.520	

ACCURATE 2460

110	HDY	RN	33.3	2,369	37.0	2,692	37,400	2.440	
125	SIERRA	HP/FN	34.4	2,472	38.2	2,666	41,486	2.420	C

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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30-30 WINCHESTER *(continued)*

ACCURATE 2460 *(continued)*

150	SIERRA	FN	29.3	2,015	32.5	2,290	40,200	2.520	
160	HDY	FTX	27.7	1,950	30.8	2,145	40,350	2.535	C
170	NOSLER	PART RN	27.2	1,864	30.2	2,118	39,900	2.545	
173 (L)	LYMAN	#311041	24.8	1,775	27.5	2,017	28,300	2.550	

RAMSHOT TAC

125	SIERRA	HP/FN	32.2	2,363	35.8	2,625	39,760	2.410	
150	HDY	RN	29.7	2,125	33.0	2,361	39,610	2.520	
160	HDY	FTX	28.3	2,060	31.4	2,233	41,056	2.535	
170	SIERRA	FN	27.5	1,962	30.5	2,180	37,010	2.520	
170 (L)	TS	RNFPGC	25.1	1,859	27.9	2,065	29,460	2.520	

ACCURATE 2495

110	HDY	RN	33.3	2,375	37.0	2,699	41,000	2.440	C
150	SIERRA	FN	27.5	1,960	30.5	2,227	40,600	2.520	
160	HDY	FTX	27.8	1,937	30.9	2,148	41,659	2.535	C
170	SIERRA	FN	29.0	1,919	32.2	2,142	41,454	2.520	C
170 (L)	LC	RNFP	24.8	1,771	27.5	2,013	35,100	2.550	

ACCURATE 2520

110	HDY	RN	34.2	2,366	38.0	2,689	35,700	2.440	
125	SIERRA	HP/FN	32.0	2,391	35.6	2,573	40,582	2.420	
150	SIERRA	FN	30.2	2,046	33.5	2,325	38,800	2.520	
160	HDY	FTX	29.8	2,144	33.2	2,316	41,579	2.535	C
170	SIERRA	FN	28.4	1,874	31.5	2,129	38,400	2.520	
170 (L)	LC	RN FP	25.7	1,807	28.5	2,053	29,300	2.550	

ACCURATE 4064

110	HDY	RN	35.1	2,380	39.0	2,705	41,400	2.440	C
125	SIERRA	HP/FN	34.2	2,225	38.0	2,529	39,600	2.430	C
150	SIERRA	FN	29.7	1,975	33.0	2,245	40,500	2.520	C
160	HDY	FTX	28.6	1,920	31.8	2,117	36,695	2.535	C
170	NOSLER	PART RN	27.0	1,757	30.0	1,997	39,900	2.545	
170 (L)	LC	RN FP	27.0	1,777	30.0	2,020	28,600	2.550	

RAMSHOT BIG GAME

125	SIERRA	HP/FN	34.9	2,179	38.8	2,421	26,780	2.435	C
150	SIERRA	FN	33.5	2,070	37.2	2,300	29,420	2.520	C
170	HDY	FN	31.5	1,990	35.0	2,175	33,000	2.530	C
170 (L)	LC	RN FP	28.6	1,799	31.8	1,999	22,600	2.520	

30 REMINGTON AR

Barrel: 22" | Twist: 1-10" | Primer: WIN WSR | Bullet Diameter: 0.308"
Case: REM | Max Case Length: 1.530" | Trim Length: 1.520"

ACCURATE 5744

110	HDY	SP	30.4	2,771	33.8	3,045	54,724	2.230	
125	NOSLER	B-TIP	28.9	2,604	32.1	2,837	54,559	2.260	
150	SIERRA	SBT GK	27.3	2,398	30.4	2,628	54,422	2.260	
165	SIERRA	HPBT GK	25.3	2,219	28.1	2,432	54,630	2.195	

ACCURATE 2200

110	BERGER	FBT	36.3	2,890	40.3	3,146	54,114	2.260	C
110	HDY	SP	35.3	2,809	39.2	3,101	54,733	2.230	
110	BARNES	TTSX	35.2	2,787	39.2	3,115	54,365	2.260	C
115	BERGER	FBT	35.8	2,805	39.8	3,071	54,332	2.260	
125	NOSLER	B-TIP	34.6	2,681	38.4	2,971	54,637	2.260	C
125	SIERRA	FNHP	34.0	2,664	37.7	2,903	54,182	2.035	
130	BARNES	TSX	33.6	2,590	37.3	2,838	54,412	2.260	
135	BERGER	FBT	33.6	2,553	37.4	2,792	54,618	2.260	C
150	SIERRA	SBT GK	31.5	2,436	34.9	2,652	54,842	2.260	
165	SIERRA	HPBT GK	29.7	2,268	33.0	2,484	54,906	2.195	

RAMSHOT X-TERMINATOR

110	BERGER	FBT	37.9	2,808	42.1	3,096	54,317	2.260	C
110	HDY	SP	37.6	2,783	41.7	3,058	54,853	2.230	C
110	BARNES	TTSX	34.7	2,736	38.5	2,999	54,408	2.260	C
115	BERGER	FBT	37.2	2,734	41.4	3,025	54,630	2.260	C
125	NOSLER	B-TIP	35.7	2,621	39.6	2,895	54,233	2.260	C
125	SIERRA	FNHP	35.7	2,608	39.7	2,869	54,574	2.035	C
130	BARNES	TSX	35.2	2,560	39.1	2,786	54,711	2.260	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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135	BERGER	FBT	34.7	2,504	38.6	2,781	54,512	2.260	C
150	SIERRA	SBT GK	33.3	2,411	37.0	2,630	54,209	2.260	
165	SIERRA	HPBT GK	32.1	2,278	35.7	2,473	54,717	2.195	C

ACCURATE 2230

110	BERGER	FBT	37.9	2,808	42.1	3,096	54,317	2.260	C
110	HDY	SP	37.6	2,783	41.7	3,058	54,853	2.230	C
110	BARNES	TTSX	34.7	2,736	38.5	2,999	54,408	2.260	C
115	BERGER	FBT	37.2	2,734	41.4	3,025	54,630	2.260	C
125	NOSLER	B-TIP	35.7	2,621	39.6	2,895	54,233	2.260	C
125	SIERRA	FNHP	35.7	2,608	39.7	2,869	54,574	2.035	C
130	BARNES	TSX	35.2	2,560	39.1	2,786	54,711	2.260	C
135	BERGER	FBT	34.7	2,504	38.6	2,781	54,512	2.260	C
150	SIERRA	SBT GK	33.3	2,411	37.0	2,630	54,209	2.260	
165	SIERRA	HPBT GK	32.1	2,278	35.7	2,473	54,717	2.195	C

300 SAVAGE

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.308"
Case: REM | Max Case Length: 1.871" | Trim Length: 1.861"

ACCURATE 2015

150	SPEER	FMJ-BT	34.7	2,413	38.5	2,742	43,600	2.600	
165	REM	PSP CL	33.8	2,261	37.5	2,569	41,900	2.580	
180	SIERRA	SBT GK	32.4	2,172	36.0	2,468	44,400	2.590	

CUP

ACCURATE 2230

150	SPEER	FMJ-BT	35.3	2,345	39.2	2,665	43,500	2.600	
165	REM	PSPCL	35.6	2,282	39.5	2,593	45,000	2.580	
180	SIERRA	SBT GK	33.3	2,134	37.0	2,425	43,700	2.590	

ACCURATE 2460

150	SPEER	FMJ-BT	36.0	2,378	40.0	2,702	43,200	2.600	
165	REM	PSPCL	36.0	2,280	40.0	2,591	44,200	2.580	
180	SIERRA	SBT GK	33.8	2,137	37.5	2,428	40,800	2.590	

ACCURATE 2495

150	SPEER	FMJ-BT	37.8	2,405	42.0	2,733	40,000	2.600	C
165	REM	PSPCL	36.9	2,355	41.0	2,676	44,000	2.580	C
180	SIERRA	SBT GK	35.1	2,194	39.0	2,493	41,600	2.590	C

ACCURATE 2520

150	SPEER	FMJ-BT	38.3	2,433	42.5	2,765	43,400	2.600	
165	REM	PSPCL	37.8	2,331	42.0	2,649	43,800	2.580	
180	SIERRA	SBT GK	35.1	2,203	39.0	2,503	45,000	2.590	

ACCURATE 2700

150	SPEER	FMJ-BT	41.8	2,408	44.0	2,562	42,900	2.600	C
165	REM	PSPCL	41.3	2,269	43.5	2,414	43,600	2.580	C
180	SIERRA	SBT GK	39.4	2,203	41.5	2,344	44,100	2.590	C

ACCURATE 4350

150	SPEER	FMJ-BT	39.6	2,128	44.0	2,418	35,100	2.600	C
165	REM	PSPCL	39.6	2,069	44.0	2,351	36,400	2.580	C
180	SIERRA	SBT GK	38.7	2,047	43.0	2,326	39,800	2.590	C

307 WINCHESTER

Barrel: 24" | Twist: 1-9" | Primer: WIN WLR | Bullet Diameter: 0.308"
Case: WIN | Max Case Length: 2.015" | Trim Length: 2.005"

ACCURATE 2015

150	SPEER	FNFP	35.1	2,319	39.0	2,635	45,300	2.530	
170	SPEER	FNFP	34.2	2,193	38.0	2,492	48,900	2.530	C

CUP

ACCURATE 2230

150	SPEER	FNFP	36.5	2,281	40.5	2,592	45,400	2.530	
170	SPEER	FNFP	35.1	2,129	39.0	2,419	47,000	2.530	

ACCURATE 2460

150	SPEER	FNFP	37.4	2,285	41.5	2,597	43,600	2.530	
170	SPEER	FNFP	36.5	2,163	40.5	2,458	48,100	2.530	

ACCURATE 2495

150	SPEER	FNFP	39.2	2,335	43.5	2,653	44,400	2.530	C
170	SPEER	FNFP	37.4	2,213	41.5	2,515	50,100	2.530	C

ACCURATE 2520

150	SPEER	FNFP	39.6	2,370	44.0	2,693	45,500	2.530	
170	SPEER	FNFP	38.3	2,262	42.5	2,570	49,300	2.530	C

RIFLE DATA

Bullet Weight (Grains) Bullet Make Bullet Type Start Load (Grains) Start Velocity (FPS) Max Load (Grains) Max Velocity (FPS) Max Pressure (PSI) COL (Inches) Comp. Load

308 MARLIN EXPRESS

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.308"
Case: HDY | Max Case Length: 1.910" | Trim Length: 1.900"

	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
125	SIERRA	HP/FN	33.8	2,456	37.5	2,729	46,500	2.300	
150	SIERRA	FN	32.4	2,260	36.0	2,511	46,750	2.405	
160	HDY	FTX	30.8	2,135	34.2	2,372	46,200	2.590	
170	SIERRA	FN	29.7	2,063	33.0	2,292	46,418	2.414	

RAMSHOT X-TERMINATOR

125	SIERRA	HP/FN	36.0	2,566	40.0	2,851	46,620	2.300	
150	SIERRA	FN	34.0	2,339	37.8	2,599	47,060	2.405	
160	HDY	FTX	33.1	2,231	36.8	2,479	46,840	2.590	
170	SIERRA	FN	32.7	2,192	36.3	2,436	46,890	2.414	

ACCURATE 2230

125	SIERRA	HP/FN	36.0	2,566	40.0	2,851	46,620	2.300	
150	SIERRA	FN	34.0	2,339	37.8	2,599	47,060	2.405	
160	HDY	FTX	33.1	2,231	36.8	2,479	46,840	2.590	
170	SIERRA	FN	32.7	2,192	36.3	2,436	46,890	2.414	

ACCURATE 2460

125	SIERRA	HP/FN	36.9	2,586	41.0	2,873	47,350	2.300	
150	SIERRA	FN	34.3	2,341	38.1	2,601	46,970	2.405	
160	HDY	FTX	33.6	2,267	37.3	2,519	46,670	2.590	
170	SIERRA	FN	33.0	2,184	36.7	2,427	47,240	2.414	

RAMSHOT TAC

125	SIERRA	HP/FN	38.0	2,570	42.2	2,856	46,690	2.300	
150	SIERRA	FN	36.0	2,381	40.0	2,646	47,120	2.405	
160	HDY	FTX	35.1	2,258	39.0	2,509	47,000	2.590	
170	SIERRA	FN	34.5	2,220	38.3	2,467	46,120	2.414	

ACCURATE 2495

125	SIERRA	HP/FN	36.9	2,506	41.0	2,784	46,340	2.300	C
150	SIERRA	FN	35.1	2,315	39.0	2,572	46,870	2.405	
160	HDY	FTX	33.6	2,194	37.3	2,438	46,315	2.590	
170	SIERRA	FN	33.1	2,160	36.8	2,400	46,960	2.414	

ACCURATE 2520

125	SIERRA	HP/FN	39.6	2,637	44.0	2,930	47,090	2.300	
150	SIERRA	FN	36.9	2,395	41.0	2,661	46,890	2.405	
160	HDY	FTX	36.5	2,302	40.5	2,558	46,240	2.590	
170	SIERRA	FN	35.4	2,253	39.3	2,503	46,590	2.414	

30 T/C

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.308"
Case: HDY | Max Case Length: 1.920" | Trim Length: 1.910"

	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
125	SIERRA	SPT PH	40.2	2,754	44.7	3,060	61,300	2.570	
130	BARNES	TSX-BT	39.2	2,663	43.5	2,959	60,460	2.697	
150	HDY	SST	36.9	2,491	41.0	2,768	60,510	2.647	
150	BARNES	TSX-BT	37.5	2,499	41.7	2,777	61,620	2.660	C
165	BARNES	TSX-BT	35.7	2,314	39.7	2,571	60,070	2.637	
168	SIERRA	HPBT MK	35.7	2,350	39.7	2,611	60,380	2.660	
180	HDY	SP	35.1	2,216	39.0	2,462	60,560	2.654	

RAMSHOT X-TERMINATOR

125	SIERRA	SPT PH	41.6	2,834	46.2	3,149	60,430	2.570	
130	BARNES	TSX-BT	41.6	2,785	46.2	3,094	59,820	2.697	
150	HDY	SST	39.3	2,606	43.7	2,895	60,300	2.647	
150	BARNES	TSX-BT	40.5	2,624	45.0	2,915	61,300	2.660	
165	BARNES	TSX-BT	38.7	2,440	43.0	2,711	60,950	2.637	
168	SIERRA	HPBT MK	36.5	2,396	40.5	2,662	60,510	2.660	
180	HDY	SP	35.8	2,275	39.8	2,528	59,710	2.654	

ACCURATE 2230

125	SIERRA	SPT PH	41.7	2,840	46.3	3,155	61,000	2.570	
130	BARNES	TSX-BT	41.8	2,804	46.4	3,115	61,300	2.697	
150	HDY	SST	39.4	2,610	43.8	2,900	61,200	2.647	
150	BARNES	TSX-BT	40.6	2,628	45.1	2,920	61,800	2.660	
165	BARNES	TSX-BT	38.9	2,453	43.2	2,725	61,500	2.637	

168	SIERRA	HPBT MK	36.6	2,417	40.7	2,685	61,200	2.660	
180	HDY	SP	35.9	2,286	39.9	2,540	60,200	2.654	

ACCURATE 2460

125	SIERRA	SPT PH	42.3	2,819	47.0	3,132	59,900	2.570	
130	BARNES	TSX-BT	42.3	2,777	47.0	3,085	60,440	2.660	
150	HDY	SST	40.1	2,588	44.5	2,876	60,870	2.647	
150	BARNES	TSX-BT	41.2	2,599	45.8	2,888	60,970	2.660	C
165	BARNES	TSX-BT	39.5	2,423	43.9	2,692	60,590	2.637	
168	SIERRA	HPBT MK	38.0	2,417	42.2	2,685	60,330	2.660	
180	HDY	SP	37.2	2,285	41.3	2,539	60,340	2.654	

RAMSHOT TAC

125	SIERRA	SPT PH	43.2	2,849	48.0	3,166	60,500	2.570	
130	BARNES	TSX-BT	43.2	2,777	48.0	3,085	58,690	2.697	
150	HDY	SST	40.5	2,607	45.0	2,897	60,170	2.647	
150	BARNES	TSX-BT	41.3	2,597	45.9	2,886	60,420	2.660	C
165	BARNES	TSX-BT	40.0	2,445	44.4	2,717	60,210	2.637	C
168	SIERRA	HPBT MK	39.0	2,448	43.3	2,720	59,560	2.660	
180	HDY	SP	37.5	2,282	41.7	2,535	60,580	2.654	

ACCURATE 2520

125	SIERRA	SPT PH	45.0	2,902	50.0	3,224	60,980	2.570	
130	BARNES	TSX-BT	45.0	2,824	50.0	3,138	57,980	2.697	C
150	HDY	SST	42.8	2,678	47.6	2,976	61,080	2.647	C
150	BARNES	TSX-BT	42.8	2,621	47.6	2,912	57,560	2.660	C
165	BARNES	TSX-BT	40.5	2,458	45.0	2,731	59,690	2.637	C
168	SIERRA	HPBT MK	40.1	2,472	44.5	2,747	59,790	2.660	
180	HDY	SP	38.7	2,349	43.0	2,610	60,580	2.654	

308 WINCHESTER

Barrel: 24" | Twist: 1-12" | Primer: WIN WLR | Bullet Diameter: 0.308"
Case: WIN | Max Case Length: 2.015" | Trim Length: 2.005"

ACCURATE 5744

110	HDY	V-MAX	29.4	2,533	42.0	3,442	61,635	2.740	
168	SIERRA	HPBT MK	25.0	2,062	35.8	2,737	61,498	2.800	
208	HDY	BTHP-M	22.9	1,772	32.8	2,424	61,635	2.810	

ACCURATE LT-30

110	BARNES	TTSX	40.6	3,047	45.1	3,326	61,852	2.700	C
115	BERGER	FBT	38.9	2,891	43.2	3,186	61,989	2.700	
125	SIERRA	SPT PH	38.2	2,767	42.5	3,015	61,904	2.750	
150	HDY	SST	35.2	2,523	39.2	2,779	61,416	2.735	
150	NOSLER	E-TIP	33.7	2,404	37.5	2,632	61,760	2.810	
155	BERGER	VLD	34.7	2,471	38.5	2,713	61,173	2.810	
168	SIERRA	HPBT MK	33.9	2,351	37.7	2,569	61,451	2.800	

ACCURATE LT-32

110	HDY	V-MAX	40.6	2,981	45.1	3,262	61,499	2.740	
155	BERGER	VLD	35.8	2,495	39.8	2,733	61,898	2.810	
168	SIERRA	HPBT MK	33.7	2,349	37.5	2,555	61,498	2.800	
175	BERGER	BTTLR	34.6	2,278	38.4	2,505	61,609	2.810	

ACCURATE 2200

110	BERGER	FBT	43.5	3,159	48.4	3,455	61,480	2.700	
110	HDY	V-MAX	46.7	3,138	51.9	3,392	61,633	2.740	
110	BARNES	TTSX	43.8	3,168	48.7	3,448	61,753	2.700	
115	BERGER	FBT	43.0	3,087	47.7	3,374	61,118	2.700	
125	NOSLER	B-TIP	41.6	2,952	46.3	3,231	61,322	2.750	
125	SIERRA	SPT PH	40.8	2,894	45.3	3,166	61,277	2.700	
125	SF	NPT	39.9	2,886	44.3	3,150	60,259	2.700	
130	BARNES	TSX-BT	39.9	2,833	44.3	3,107	61,487	2.810	
135	BERGER	FBT	38.3	2,754	42.5	2,999	61,663	2.810	
140	BARNES	MPG	35.4	2,565	39.4	2,839	61,447	2.800	
150	HDY	SST	37.2	2,614	41.3	2,887	61,398	2.735	
150	HDY	BT-FMJ	37.6	2,647	41.8	2,903	61,332	2.735	
150	NOSLER	A-BOND	37.1	2,608	41.2	2,846	61,349	2.810	
150	SIERRA	SBT GK	37.8	2,631	42.0	2,882	61,697	2.750	
150	SPEER	SPZSP	37.7	2,610	41.9	2,845	61,199	2.700	
150	BARNES	MRX-BT	37.1	2,575	41.2	2,860	61,902	2.785	
150	NOSLER	E-TIP	35.3	2,499	39.2	2,744	61,006	2.810	
155	BERGER	VLD	36.8	2,569	40.9	2,813	61,555	2.810	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
308 WINCHESTER (continued)									
ACCURATE 2520 (continued)									
180	BARNES	TSX-BT	40.5	2,421	45.0	2,649	61,424	2.810	
180	NOSLER	E-TIP	40.5	2,387	45.0	2,624	61,843	2.810	C
185	BERGER	BTTLR	40.2	2,441	44.6	2,646	61,533	2.810	
190	HDY	BTSP	39.2	2,370	43.5	2,580	61,580	2.745	
190	NOSLER	HPBT-CC	39.2	2,388	43.6	2,599	61,712	2.810	
200	SIERRA	HPBT MK	39.8	2,358	44.2	2,555	61,900	2.800	
200	BARNES	TSX-FB	37.8	2,171	42.0	2,383	61,322	2.810	
208	HDY	HPBT-M	37.9	2,276	42.1	2,462	61,209	2.810	
210	BERGER	VLD	37.3	2,213	41.5	2,402	61,700	2.810	
ACCURATE 4064									
155	HDY	A-MAX	42.6	2,599	47.3	2,894	61,398	2.810	C
165	NOSLER	PART	42.7	2,535	47.5	2,805	59,705	2.810	C
165	BARNES	TSX-BT	39.7	2,407	44.1	2,680	61,457	2.810	C
168	SIERRA	HPBT MK	41.9	2,516	46.5	2,783	61,387	2.800	C
175	NOSLER	HPBT-CC	41.5	2,458	46.2	2,733	61,065	2.810	C
178	HDY	A-MAX	40.5	2,405	45.0	2,654	57,467	2.800	C
185	BERGER	BTTLR	40.1	2,332	44.5	2,580	55,479	2.810	C
190	HDY	BTSP	40.2	2,341	44.6	2,581	59,113	2.745	C
200	SIERRA	HPBT MK	39.7	2,282	44.1	2,517	60,007	2.800	C
208	HDY	HPBT-M	38.6	2,163	42.9	2,429	57,289	2.810	C
210	BERGER	VLD	38.9	2,174	43.2	2,422	59,422	2.810	C
RAMSHOT BIG GAME									
165	SIERRA	SBT GK	45.9	2,533	51.0	2,780	51,552	2.810	C
180	SIERRA	SPT PH	45.3	2,450	50.3	2,683	57,586	2.800	C
180	SPEER	GSLAM	43.7	2,365	48.6	2,578	50,689	2.690	C
180	NOSLER	E-TIP	41.6	2,224	46.2	2,461	45,000	2.810	C
185	BERGER	BTTLR	43.2	2,321	48.0	2,549	49,851	2.810	C
190	HDY	BTSP	43.4	2,336	48.2	2,578	53,236	2.745	C
190	NOSLER	HPBT-CC	43.5	2,355	48.3	2,574	52,331	2.810	C
200	SIERRA	HPBT MK	42.5	2,266	47.2	2,501	50,269	2.800	C
200	BARNES	TSX-FB	40.0	2,067	44.5	2,299	50,459	2.810	C
208	HDY	BTHP-M	41.1	2,183	45.7	2,412	48,026	2.810	C
210	BERGER	VLD	41.3	2,167	45.8	2,413	55,500	2.810	C
30-06 SPRINGFIELD									
Barrel: 24" Twist: 1-10" Primer: WIN WLR Bullet Diameter: 0.308"									
Case: REM Max Case Length: 2.494" Trim Length: 2.484"									
RAMSHOT TAC									
110	BERGER	FBT	51.1	3,214	56.8	3,454	59,223	3.210	
110	HDY	V-MAX	49.8	3,185	55.3	3,404	59,600	3.170	
110	BARNES	TTSX	52.4	3,211	58.2	3,507	59,565	3.218	
115	BERGER	FBT	48.6	3,103	54.0	3,336	59,619	3.200	
125	NOSLER	B-TIP	49.9	3,016	55.4	3,292	59,366	3.250	
125	SIERRA	SPT PH	49.0	2,982	54.4	3,222	59,062	3.150	
130	BARNES	TSX-BT	48.9	2,942	54.3	3,204	59,227	3.218	
140	BARNES	MPG	43.8	2,682	48.6	2,947	59,286	3.270	
150	HDY	BT-FMJ	44.6	2,735	49.5	2,967	59,423	3.185	
150	HDY	SST	44.4	2,695	49.3	2,939	59,630	3.210	
150	SIERRA	SPT PH	45.7	2,735	50.8	2,963	59,193	3.225	
155	BERGER	VLD	43.5	2,634	48.3	2,866	59,146	3.320	
155	HDY	A-MAX	42.5	2,589	47.3	2,834	59,146	3.210	
155	SIERRA	HPBT MK	43.5	2,666	48.3	2,892	59,553	3.250	
168	SIERRA	HPBT MK	40.2	2,484	44.7	2,680	59,068	3.285	
175	SIERRA	HPBT MK	40.1	2,457	44.6	2,634	59,426	3.290	
ACCURATE 2520									
110	BERGER	FBT	50.0	3,197	55.6	3,444	59,916	3.210	
110	HDY	V-MAX	49.1	3,150	54.6	3,387	59,495	3.170	
110	BARNES	TTSX	51.6	3,195	57.3	3,484	59,193	3.218	
115	BERGER	FBT	49.4	3,141	54.9	3,365	59,313	3.200	
125	NOSLER	B-TIP	49.8	3,021	55.4	3,292	59,324	3.250	
125	SIERRA	SPT PH	47.5	2,972	52.8	3,188	59,400	3.150	
125	SF	NTP	48.9	2,988	54.3	3,246	59,404	3.275	
130	BARNES	TSX-BT	48.7	2,934	54.2	3,196	59,499	3.218	
140	BARNES	MPG	44.8	2,689	49.7	2,975	59,647	3.270	
150	HDY	BT-FMJ	45.2	2,757	50.2	2,978	59,324	3.185	
150	HDY	SST	45.2	2,697	50.3	2,949	59,403	3.210	
150	SIERRA	SPT PH	46.3	2,758	51.5	2,985	59,363	3.225	
155	BERGER	VLD	43.9	2,647	48.7	2,874	59,409	3.320	
155	HDY	A-MAX	43.8	2,615	48.7	2,883	59,001	3.210	
155	SIERRA	HPBT MK	44.8	2,702	49.7	2,915	59,651	3.250	
165	NOSLER	PART	41.9	2,577	46.6	2,741	59,664	3.305	
168	SIERRA	HPBT MK	40.2	2,491	44.6	2,681	59,480	3.285	
175	SIERRA	HPBT MK	39.9	2,440	44.3	2,639	59,782	3.290	
ACCURATE 4064									
110	BERGER	FBT	54.8	3,138	60.9	3,472	59,286	3.210	C
110	HDY	V-MAX	53.9	3,080	59.9	3,431	59,446	3.170	C
110	BARNES	TTSX	54.5	3,140	60.6	3,466	58,068	3.218	C
115	BERGER	FBT	54.0	3,076	59.9	3,399	59,089	3.200	C
125	NOSLER	B-TIP	52.5	2,979	58.4	3,294	59,223	3.250	C
125	SIERRA	SPT PH	52.7	2,949	58.6	3,273	59,619	3.150	
125	SF	NTP	49.9	2,937	55.5	3,222	59,508	3.275	
130	BARNES	TSX-BT	51.7	2,918	57.4	3,215	58,964	3.218	C
135	BERGER	FBT	49.6	2,839	55.1	3,117	59,634	3.300	
140	BARNES	MPG	46.8	2,709	52.0	2,995	59,455	3.270	
150	HDY	BT-FMJ	49.8	2,804	55.3	3,062	59,703	3.185	
150	HDY	SST	48.0	2,712	53.4	2,994	59,711	3.210	
150	NOSLER	A-BOND	46.8	2,694	52.0	2,955	59,533	3.325	
150	SIERRA	SPT PH	48.5	2,744	53.9	3,017	59,467	3.225	
150	BARNES	MRX-BT	48.4	2,710	53.8	3,000	59,753	3.205	
150	NOSLER	E-TIP	45.2	2,630	50.3	2,897	59,335	3.300	
155	BERGER	VLD	48.1	2,703	53.5	2,975	59,664	3.320	
155	HDY	A-MAX	47.9	2,699	53.3	2,963	59,654	3.210	
155	SIERRA	HPBT MK	49.1	2,748	54.6	2,998	59,459	3.250	
165	NOSLER	PART	45.8	2,577	50.8	2,836	59,357	3.305	
165	BARNES	MRX-BT	47.1	2,578	52.3	2,855	59,441	3.205	
168	BERGER	VLD	46.4	2,610	51.5	2,840	59,116	3.330	
168	HDY	A-MAX	46.1	2,576	51.2	2,816	59,403	3.330	
168	NOSLER	HPBT-CC	47.4	2,627	52.7	2,863	59,461	3.330	
168	SIERRA	HPBT MK	46.4	2,617	51.6	2,840	59,688	3.285	
168	BARNES	TTSX	45.9	2,523	51.0	2,790	59,950	3.300	
168	NOSLER	E-TIP	45.2	2,517	50.2	2,763	59,462	3.330	
175	NOSLER	HPBT-CC	46.4	2,566	51.5	2,794	59,361	3.290	
175	SIERRA	HPBT MK	45.8	2,572	50.9	2,790	59,462	3.290	
180	HDY	SST	45.2	2,491	50.3	2,723	59,441	3.220	
180	SIERRA	HPBT MK	44.0	2,476	48.9	2,688	59,336	3.305	
180	SIERRA	SPT PH	45.6	2,489	50.7	2,701	59,587	3.300	
180	BARNES	TSX-BT	45.6	2,510	50.7	2,743	59,269	3.218	
180	NOSLER	E-TIP	44.9	2,453	49.9	2,697	59,631	3.340	
185	BERGER	BTTLR	44.5	2,464	49.4	2,683	59,459	3.340	
190	HDY	BTSP	44.5	2,427	49.5	2,649	59,478	3.230	
190	NOSLER	HPBT-CC	44.9	2,460	49.9	2,673	59,702	3.340	
200	SIERRA	HPBT MK	42.6	2,334	47.3	2,544	59,700	3.314	
200	BARNES	TSX-FB	43.4	2,341	48.2	2,536	59,364	3.218	
208	HDY	BTHP	43.1	2,261	47.9	2,494	59,769	3.340	
210	BERGER	VLD	41.7	2,259	46.4	2,458	59,565	3.340	
225	HDY	BTHP	41.7	2,156	46.3	2,371	59,444	3.340	
RAMSHOT BIG GAME									
110	BERGER	FBT	60.1	3,279	66.8	3,567	59,001	3.210	C
110	HDY	V-MAX	59.0	3,236	65.5	3,522	59,782	3.170	C
110	BARNES	TTSX	58.4	3,173	64.9	3,409	51,126	3.218	C
115	BERGER	FBT	59.4	3,228	66.0	3,506	59,893	3.200	C
125	NOSLER	B-TIP	58.3	3,118	64.8	3,392	59,554	3.250	C
125	SIERRA	SPT PH	57.2	3,059	63.5	3,331	59,931	3.150	
125	SF	NTP	57.4	3,077	63.7	3,334	59,364	3.275	C
130	BARNES	TSX-BT	58.1	3,054	64.5	3,324	59,655	3.218	C
135	BERGER	FBT	53.4	2,924	59.3	3,148	59,277	3.300	
140	BARNES	MPG	53.6	2,875	59.5	3,113	59,700	3.270	C
150	HDY	BT-FMJ	53.9	2,884	59.9	3,115	59,882	3.185	
150	HDY	SST	53.0	2,851	58.9	3,063	59,636	3.210	
150	NOSLER	A-BOND	51.8	2,785	57.5	3,033	59,784	3.325	

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load																				
30-06 SPRINGFIELD (continued)										ACCURATE 4350																													
RAMSHOT BIG GAME (continued)										RAMSHOT HUNTER																													
150	SIERRA	SPT PH	53.5	2,822	59.4	3,080	59,740	3.225		190	HDY	BTSP	47.6	2,431	52.9	2,673	59,116	3.230		110	BERGER	FBT	60.2	3,105	66.9	3,360	51,275	3.210	C										
150	BARNES	MRX-BT	53.3	2,818	59.2	3,056	59,444	3.205		190	NOSLER	HPBT-CC	48.6	2,476	54.0	2,713	59,673	3.340		110	HDY	V-MAX	61.2	3,113	68.0	3,415	54,108	3.170	C										
150	NOSLER	E-TIP	50.9	2,747	56.6	2,995	59,836	3.300		200	SIERRA	HPBT MK	46.3	2,388	51.4	2,597	59,901	3.314		110	BARNES	TTSX	59.6	3,019	66.2	3,304	49,006	3.218	C										
155	BERGER	VLD	51.8	2,782	57.6	3,007	59,488	3.320		200	BARNES	TSX-FB	46.6	2,374	51.7	2,589	59,557	3.218	C	115	BERGER	FBT	61.7	3,126	68.6	3,406	54,883	3.200	C										
155	HDY	A-MAX	51.9	2,777	57.6	3,012	59,371	3.210		208	HDY	BTHP-M	44.9	2,246	49.8	2,506	59,766	3.340		125	NOSLER	B-TIP	60.7	3,025	67.4	3,260	52,199	3.250	C										
155	SIERRA	HPBT MK	52.8	2,820	58.7	3,038	59,703	3.250		210	BERGER	VLD	44.5	2,293	49.5	2,496	59,366	3.340		125	SIERRA	SPT PH	61.4	3,031	68.3	3,314	55,695	3.150	C										
165	NOSLER	PART	50.0	2,660	55.5	2,900	59,819	3.305		225	HDY	BTHP-M	43.9	2,146	48.8	2,399	60,000	3.340		130	BARNES	TSX-BT	59.6	2,925	66.3	3,187	52,410	3.218	C										
165	BARNES	MRX-BT	50.7	2,669	56.4	2,910	59,731	3.205		ACCURATE 2700										135	BERGER	FBT	60.3	2,985	67.0	3,223	57,037	3.300	C										
168	BERGER	VLD	49.7	2,666	55.3	2,881	59,868	3.330		110	BERGER	FBT	58.2	3,052	64.7	3,348	50,111	3.210	C	140	BARNES	MPG	51.6	2,782	57.3	3,043	59,008	3.270	C										
168	HDY	A-MAX	49.0	2,629	54.4	2,845	59,365	3.330		110	HDY	V-MAX	57.7	3,038	64.1	3,349	52,991	3.170	C	150	HDY	BT-FMJ	53.7	2,797	59.6	3,070	59,620	3.185	C										
168	NOSLER	HPBT-CC	49.0	2,637	54.4	2,844	59,823	3.330		110	BARNES	TTSX	56.5	2,916	62.8	3,210	44,857	3.218	C	150	HDY	SST	53.8	2,767	59.8	3,049	59,064	3.210	C										
168	SIERRA	HPBT MK	49.1	2,644	54.6	2,858	59,465	3.285		115	BERGER	FBT	57.8	3,023	64.2	3,318	52,167	3.200	C	150	NOSLER	A-BOND	53.1	2,799	59.0	3,041	59,348	3.325	C										
168	BARNES	TTSX	50.6	2,648	56.2	2,870	59,664	3.300		125	SIERRA	SPT PH	58.8	3,018	65.3	3,319	59,229	3.150	C	150	SIERRA	SPT PH	54.4	2,836	60.5	3,076	59,247	3.225											
168	NOSLER	E-TIP	49.5	2,606	55.0	2,844	59,777	3.330		130	BARNES	TSX	56.4	2,901	62.6	3,133	50,143	3.218	C	150	BARNES	MRX-BT	54.2	2,774	60.2	3,066	58,390	3.205	C										
175	NOSLER	HPBT-CC	48.5	2,598	53.9	2,801	59,885	3.290		135	BERGER	FBT	53.1	2,815	59.0	3,116	59,553	3.300		150	NOSLER	E-TIP	50.9	2,749	56.6	2,988	59,706	3.300											
175	SIERRA	HPBT MK	48.7	2,607	54.1	2,806	59,335	3.290		140	BARNES	MPG	51.6	2,782	57.3	3,043	59,008	3.270	C	155	BERGER	VLD	51.3	2,699	57.0	2,963	59,289	3.320											
180	HDY	SST	48.8	2,557	54.2	2,768	59,606	3.220		150	HDY	A-MAX	52.1	2,710	57.9	2,992	59,703	3.210	C	155	HDY	A-MAX	52.1	2,710	57.9	2,992	59,703	3.210	C										
180	SIERRA	HPBT MK	47.7	2,533	53.0	2,736	59,804	3.305		155	SIERRA	HPBT MK	55.0	2,804	61.1	3,062	59,469	3.250	C	165	NOSLER	PART	50.4	2,662	56.0	2,890	59,338	3.305											
180	SIERRA	SPT PH	49.0	2,507	54.4	2,732	59,423	3.300		165	BARNES	MRX-BT	51.3	2,638	57.0	2,913	59,612	3.205	C	168	BERGER	VLD	50.9	2,642	56.6	2,885	59,003	3.330											
180	BARNES	TSX-BT	51.2	2,634	56.9	2,842	59,456	3.218	C	168	BERGER	VLD	50.9	2,642	56.6	2,885	59,003	3.330		168	HDY	A-MAX	50.0	2,575	55.5	2,835	59,830	3.330											
180	NOSLER	E-TIP	47.1	2,464	52.3	2,701	59,224	3.340		168	HDY	A-MAX	50.0	2,575	55.5	2,835	59,830	3.330		168	NOSLER	HPBT-CC	51.6	2,630	57.3	2,873	59,337	3.330											
185	BERGER	BTTLR	47.4	2,499	52.7	2,710	59,364	3.340		168	NOSLER	HPBT-CC	51.6	2,630	57.3	2,873	59,337	3.330		168	SIERRA	HPBT MK	50.1	2,623	55.6	2,855	59,367	3.285											
190	HDY	BTSP	47.5	2,463	52.8	2,689	59,556	3.230		168	SIERRA	HPBT MK	50.1	2,623	55.6	2,855	59,367	3.285		168	BARNES	TTSX	48.5	2,557	53.9	2,817	59,505	3.300											
190	NOSLER	HPBT-CC	47.7	2,500	53.1	2,703	59,292	3.340		168	BARNES	TTSX	48.5	2,557	53.9	2,817	59,505	3.300		168	NOSLER	E-TIP	49.7	2,581	55.2	2,815	59,307	3.330											
200	SIERRA	HPBT MK	45.1	2,362	50.1	2,563	59,294	3.314		175	NOSLER	HPBT-CC	49.3	2,544	54.8	2,800	59,258	3.290		175	NOSLER	HPBT-CC	49.3	2,544	54.8	2,800	59,258	3.290											
200	BARNES	TSX-FB	48.1	2,418	53.5	2,626	59,322	3.218		175	SIERRA	HPBT MK	49.6	2,596	55.1	2,818	59,600	3.290		180	HDY	SST	48.4	2,520	53.8	2,761	59,333	3.220											
208	HDY	BTHP-M	44.4	2,284	49.4	2,500	60,000	3.340		180	HDY	SST	48.4	2,520	53.8	2,761	59,333	3.220		180	SIERRA	HPBT MK	48.3	2,517	53.7	2,740	59,387	3.305											
210	BERGER	VLD	44.3	2,292	49.3	2,491	59,624	3.340		180	SIERRA	SPT PH	49.7	2,505	55.2	2,721	59,169	3.300		180	SPEER	GSLAM	49.1	2,501	54.6	2,730	58,925	3.170											
225	HDY	BTHP-M	42.8	2,142	47.6	2,357	59,238	3.340		180	SPEER	GSLAM	49.1	2,501	54.6	2,730	58,925	3.170		180	BARNES	TSX-BT	48.3	2,519	53.7	2,768	59,017	3.218											
										180	NOSLER	E-TIP	47.5	2,467	52.7	2,710	59,393	3.340		180	NOSLER	E-TIP	47.5	2,467	52.7	2,710	59,393	3.340		180	NOSLER	E-TIP	47.5	2,467	52.7	2,710	59,393	3.340	
										185	BERGER	BTTLR	48.4	2,498	53.7	2,727	59,238	3.340		185	BERGER	BTTLR	48.4	2,498	53.7	2,727	59,238	3.340		185	BERGER	BTTLR	48.4	2,498	53.7	2,727	59,238	3.340	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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30-06 SPRINGFIELD *(continued)*

RAMSHOT HUNTER *(continued)*

180	SIERRA	SBT	51.6	2,527	60.0	2,852	59,468	3.335	
180	SIERRA	HPBT MK	52.6	2,596	58.5	2,824	59,469	3.305	
180	SIERRA	SPT PH	53.9	2,600	59.9	2,835	59,725	3.300	
180	SPEER	GSLAM	54.9	2,642	61.0	2,860	59,890	3.170	C
180	BARNES	TSX-BT	54.4	2,615	60.4	2,838	55,048	3.218	C
180	NOSLER	E-TIP	52.3	2,588	58.1	2,821	59,470	3.340	C
185	BERGER	BTTLR	52.4	2,584	58.2	2,815	59,781	3.340	
190	HDY	BTSP	52.7	2,557	58.6	2,782	59,683	3.230	C
190	NOSLER	HPBT-CC	51.4	2,537	57.1	2,769	59,741	3.340	
200	SIERRA	HPBT MK	50.8	2,467	56.4	2,688	59,810	3.314	
200	BARNES	TSX-FB	50.7	2,389	56.3	2,585	51,406	3.218	C
208	HDY	BTHP-M	49.6	2,381	55.1	2,601	59,658	3.340	
210	BERGER	VLD	49.5	2,384	55.0	2,594	59,142	3.340	
225	HDY	BTHP-M	47.1	2,232	52.4	2,461	59,394	3.340	

REDUCED LOADS - NO OTHER LOAD RECOMMENDED

ACCURATE 5744

160 (L)	LYMAN	#311672	27.0	2,085				3.035	
173 (L)	LYMAN	#311041	25.0	1,920				3.015	
200 (L)	LYMAN	#311299	22.0	1,625				3.250	

300 H&H MAGNUM

Barrel: 24" | Twist: 1-10" | Primer: WIN WLRM | Bullet Diameter: 0.308"
Case: WIN | Max Case Length: 2.850" | Trim Length: 2.840"

ACCURATE 4350

150	HDY	SST	67.5	2,932	75.0	3,332	62,540	3.555	C
150	NOSLER	B-TIP	66.6	2,992	74.0	3,400	63,720	3.600	C
165	BARNES	TSX-BT	64.8	2,762	72.0	3,139	63,720	3.600	C
180	SIERRA	SPT PH	64.4	2,700	71.5	3,068	63,720	3.600	C

300 RUGER COMPACT MAGNUM (300 RCM)

Barrel: 24" | Twist: 1-10" | Primer: WIN WLRM | Bullet Diameter: 0.308"
Case: HDY | Max Case Length: 2.100" | Trim Length: 2.090"

ACCURATE 4064

150	HDY	SST	53.6	2,833	59.5	3,148	63,300	2.800	C
150	BARNES	TSX-BT	53.6	2,799	59.5	3,110	62,270	2.800	
165	BARNES	TSX-BT	51.3	2,638	57.0	2,931	62,830	2.800	C
168	SIERRA	HPBT	52.2	2,692	58.0	2,991	64,340	2.800	C
180	SIERRA	HPBT	50.4	2,561	56.0	2,846	62,930	2.800	
180	BARNES	TSX-BT	49.5	2,498	55.0	2,776	61,760	2.800	C
200	NOSLER	A-BOND	48.6	2,386	54.0	2,651	61,640	2.800	C

RAMSHOT BIG GAME

150	HDY	SST	58.5	2,906	65.0	3,229	62,520	2.800	C
150	BARNES	TSX-BT	59.4	2,882	66.0	3,202	60,650	2.800	C
165	BARNES	TSX-BT	55.2	2,712	61.3	3,013	62,110	2.800	
168	SIERRA	HPBT	56.3	2,725	62.5	3,028	61,836	2.800	
180	SIERRA	HPBT	54.5	2,617	60.5	2,908	61,840	2.800	
180	BARNES	TSX-BT	53.1	2,586	59.0	2,873	62,470	2.800	
200	NOSLER	A-BOND	52.7	2,466	58.5	2,740	62,090	2.800	C

ACCURATE 2700

150	HDY	SST	58.5	2,891	65.0	3,212	61,770	2.800	C
150	BARNES	TSX-BT	58.5	2,891	65.0	3,232	63,810	2.800	C
165	BARNES	TSX-BT	55.8	2,735	62.0	3,039	64,070	2.800	C
168	SIERRA	HPBT	56.7	2,753	63.0	3,059	63,440	2.800	C
180	SIERRA	HPBT	54.7	2,638	60.8	2,931	64,090	2.800	C
180	BARNES	TSX-BT	53.7	2,603	59.7	2,892	64,240	2.800	C
200	NOSLER	A-BOND	52.9	2,471	58.8	2,745	62,530	2.800	C

RAMSHOT HUNTER

150	HDY	SST	60.3	2,850	67.0	3,167	57,420	2.800	C
150	BARNES	TSX-BT	60.3	2,831	67.0	3,146	57,316	2.800	C
165	BARNES	TSX-BT	58.5	2,728	65.0	3,031	58,646	2.800	C
168	SIERRA	HPBT	59.4	2,748	66.0	3,053	60,530	2.800	C
180	SIERRA	HPBT	58.5	2,678	65.0	2,975	64,100	2.800	C
180	BARNES	TSX-BT	56.7	2,588	63.0	2,875	57,810	2.800	C
200	NOSLER	A-BOND	54.9	2,570	61.0	2,856	61,651	2.800	C

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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300 REMINGTON SHORT ACTION ULTRA MAGNUM (SAUM)

Barrel: 24" | Twist: 1-10" | Primer: FED 210 | Bullet Diameter: 0.308"
Case: REM | Max Case Length: 2.015" | Trim Length: 2.005"

ACCURATE 4064

150	HDY	BTSP	55.0	2,874	61.0	3,200	64,500	2.800	
165	SIERRA	SBT GK	53.6	2,770	59.5	3,062	64,600	2.800	
180	SWIFT	SCIR	50.0	2,622	55.5	2,870	63,900	2.800	

ACCURATE 2700

150	HDY	BTSP	60.0	2,940	67.0	3,212	64,700	2.800	C
165	SIERRA	SBT GK	58.7	2,794	65.2	3,126	64,400	2.800	C
180	SWIFT	SCIR	54.5	2,676	60.5	2,954	64,600	2.800	C
200	NOSLER	A-BOND	52.0	2,480	58.0	2,800	64,300	2.800	

RAMSHOT HUNTER

150	NOSLER	B-TIP	61.0	2,840	67.0	3,100	61,200	2.820	C
168	SIERRA	HPBT	58.0	2,700	64.5	3,000	63,500	2.825	
180	NOSLER	B-TIP	56.3	2,620	62.5	2,890	63,800	2.820	
200	SIERRA	HPBT	54.0	2,500	60.0	2,650	64,100	2.820	

REDUCED LOADS - NO OTHER LOAD RECOMMENDED

ACCURATE 5744

165	HDY	SP	20.4	1,527				2.680	
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300 WINCHESTER SHORT MAGNUM (WSM)

Barrel: 24" | Twist: 1-10" | Primer: WIN WLRM | Bullet Diameter: 0.308"
Case: WIN | Max Case Length: 2.100" | Trim Length: 2.090"

ACCURATE 5744

125	HDY	SST	38.0	2,736	50.6	3,416	60,829	2.835	
175	BARNES	BT-MB	35.0	2,375	46.1	2,864	60,862	2.860	
220	NOSLER	PART	33.0	2,038	42.8	2,467	61,528	2.815	

ACCURATE 4064

110	BARNES	TTSX-FB	62.9	3,316	69.9	3,709	64,083	2.805	C
125	HDY	SST	59.6	3,186	66.2	3,491	64,007	2.835	
135	SIERRA	HPBT MK	61.7	3,139	67.8	3,441	64,733	2.775	C
150	NOSLER	E-TIP	54.0	2,864	60.0	3,124	64,376	2.820	
150	NOSLER	A-BOND	59.2	2,964	65.1	3,240	64,848	2.830	
155	BERGER	VLD	59.1	2,947	64.3	3,197	64,906	2.860	
165	HDY	GMX	52.4	2,750	57.0	2,942	64,927	2.835	
167	LAPUA	SCENAR	55.1	2,811	59.9	3,015	64,838	2.840	
168	BARNES	TAC-X BT	54.6	2,765	59.4	2,973	64,729	2.850	
168	NOSLER	E-TIP	53.3	2,736	59.2	2,975	64,878	2.800	
175	BARNES	BT-MB	56.9	2,800	61.8	3,009	64,533	2.860	
180	NOSLER	PART	56.1	2,706	61.7	2,933	64,829	2.815	
180	SWIFT	AF	56.6	2,724	61.5	2,923	64,991	2.790	
190	BERGER	VLD	55.6	2,672	60.5	2,875	64,951	2.860	
200	BARNES	LRX BT	51.2	2,454	56.9	2,691	64,938	2.860	
210	BERGER	BTTLR	52.3	2,496	57.5	2,694	64,839	2.860	

RAMSHOT BIG GAME

110	BARNES	TTSX-FB	67.8	3,429	75.4	3,780	64,497	2.805	C
125	HDY	SST	63.7	3,217	70.8	3,513	64,586	2.835	
135	SIERRA	HPBT MK	66.4	3,217	72.2	3,458	64,284	2.775	
150	HDY	SST	61.2	2,949	68.0	3,272	61,275	2.830	
150	NOSLER	E-TIP	59.9	2,932	66.5	3,206	64,648	2.820	
155	BERGER	VLD	63.7	3,011	69.2	3,241	64,756	2.860	
165	HDY	GMX	58.2	2,814	64.7	3,040	64,949	2.835	
165	NOSLER	B-TIP	59.1	2,798	64.3	3,025	62,614	2.830	
165	BARNES	TSX-BT	57.2	2,679	63.5	2,977	61,500	2.825	
167	LAPUA	SCENAR	59.8	2,879	64.6	3,064	64,918	2.840	
168	BARNES	TAC-X BT	60.1	2,845	65.3	3,047	64,993	2.850	
168	HDY	SST	60.5	2,856	66.5	3,115	62,615	2.860	
168	NOSLER	E-TIP	60.8	2,858	66.1	3,054	64,777	2.800	
168	SIERRA	HPBT	59.6	2,819	65.5	3,101	62,248	2.825	
175	BARNES	BT-MB	59.9	2,812	65.1	3,022	64,851	2.860	
180	NOSLER	B-TIP	58.7	2,758	63.8	2,971	62,495	2.850	
180	HDY	BTSP	56.8	2,641	62.4	2,892	61,924	2.825	
180	SIERRA	SBT GK	58.5	2,720	63.6	2,930	63,344	2.860	
190	BERGER	VLD	58.3	2,692	63.4	2,874	64,989	2.860	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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300 WINCHESTER MAGNUM *(continued)*

ACCURATE MAGPRO *(continued)*

185	BERGER	VLD	75.6	2,833	84.0	3,114	63,888	3.340	C
190	HDY	BTSP	76.0	2,846	84.4	3,083	62,829	3.340	C
200	NOSLER	PART	75.2	2,799	83.6	3,029	63,726	3.340	C
200	BARNES	TSX-FB	71.4	2,671	79.3	2,908	58,843	3.340	C
210	BERGER	VLD	74.0	2,702	82.2	2,957	61,783	3.340	C
220	SIERRA	HPBT MK	72.1	2,637	80.1	2,875	63,396	3.340	C
240	SIERRA	HPBT MK	68.3	2,506	75.9	2,728	63,792	3.470	

RAMSHOT MAGNUM

150	HDY	SST	80.6	3,017	89.6	3,369	63,416	3.340	C
150	SIERRA	SBT GK	81.0	3,026	90.0	3,356	63,822	3.340	C
165	NOSLER	A-BOND	78.2	2,860	86.8	3,195	62,645	3.340	C
168	SIERRA	HPBT MK	79.0	2,882	87.8	3,180	63,736	3.340	C
168	NOSLER	E-TIP	77.0	2,864	85.5	3,139	60,951	3.340	C
175	SIERRA	HPBT MK	78.6	2,861	87.3	3,170	63,949	3.340	C
180	NOSLER	B-TIP	75.7	2,721	86.0	3,082	60,341	3.340	C
180	NOSLER	PART	75.4	2,777	83.8	3,065	63,677	3.340	C
180	SIERRA	SBT GK	77.8	2,863	86.5	3,193	63,770	3.403	C
180	BARNES	MRX-BT	75.7	2,731	86.0	3,096	60,572	3.340	C
180	NOSLER	E-TIP	75.4	2,712	83.8	3,025	61,343	3.340	C
185	BERGER	VLD	76.3	2,761	84.7	3,092	61,532	3.340	C
190	HDY	BTSP	77.4	2,817	86.0	3,117	63,451	3.340	C
200	NOSLER	PART	76.0	2,724	84.4	3,011	63,189	3.340	C
200	BARNES	TSX-FB	72.0	2,626	80.0	2,902	60,230	3.340	C
210	BERGER	VLD	74.7	2,646	83.0	2,951	62,318	3.340	C
220	SIERRA	HPBT MK	72.8	2,580	80.9	2,868	63,412	3.340	C
240	SIERRA	HPBT MK	68.8	2,448	76.4	2,709	63,809	3.470	

300 WEATHERBY MAGNUM

Barrel: 24" | Twist: 1-10" | Primer: FED 215 | Bullet Diameter: 0.308"
Case: WBV | Max Case Length: 2.825" | Trim Length: 2.815"

RAMSHOT MAGNUM

155	SIERRA	PALMA	81.5	2,948	90.5	3,275	58,220	3.495	
165	NOSLER	PART	80.1	2,912	89.0	3,235	62,940	3.555	
180	NOSLER	B-TIP	79.0	2,750	88.0	3,080	61,200	3.560	
180	BARNES	MRX-BT	77.9	2,759	86.5	3,066	60,410	3.560	
200	SIERRA	HPBT MK	78.0	2,650	86.5	3,000	62,500	3.560	
220	SIERRA	HPBT MK	75.0	2,550	83.0	2,840	62,500	3.530	

300 PRC

Barrel: 24" | Twist: 1-8.5" | Primer: FED 215 M | Bullet Diameter: 0.308"
Case: HDY | Max Case Length: 2.580" | Trim Length: 2.565"

ACCURATE 5744

115	LHG	CC	49.5	3,229	59.6	3,722	62,783	3.315	
168	HDY	A-MAX	45.6	2,761	52.5	3,046	62,573	3.390	
240	SIERRA	HPBT MK	40.4	2,235	45.3	2,419	62,741	3.550	

ACCURATE 4350

110	SIERRA	HP	76.6	3,338	85.1	3,754	59,846	3.095	C
115	LHG	CC	79.3	3,396	88.1	3,826	64,668	3.315	C

RAMSHOT HUNTER

110	SIERRA	HP	74.0	3,545	82.2	3,788	63,927	3.095	
115	LHG	CC	74.9	3,447	83.2	3,752	63,824	3.315	
168	HDY	A-MAX	64.3	2,862	71.4	3,113	63,854	3.390	

ACCURATE MAGPRO

110	SIERRA	HP	84.7	3,329	94.1	3,697	64,283	3.095	C
168	HDY	A-MAX	75.9	2,893	84.4	3,206	64,326	3.390	
175	SIERRA	TMK	75.3	2,887	83.7	3,169	63,951	3.540	
180	NOSLER	E-TIP	71.5	2,785	79.5	3,041	63,827	3.650	
190	BERGER	VLD	73.0	2,772	81.1	3,047	63,921	3.575	

RAMSHOT MAGNUM

168	HDY	A-MAX	80.1	2,962	89.0	3,277	63,867	3.390	C
175	SIERRA	TMK	78.2	2,924	86.9	3,208	64,182	3.540	
180	NOSLER	E-TIP	73.7	2,784	81.9	3,070	63,629	3.650	
190	BERGER	VLD	75.8	2,807	84.2	3,076	63,659	3.575	
200	BARNES	TTSX	72.3	2,665	80.3	2,930	63,983	3.640	
210	NOSLER	A-BOND LR	72.4	2,649	80.4	2,902	63,856	3.650	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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RAMSHOT LRT

175	SIERRA	TMK	85.5	2,885	95.0	3,200	59,854	3.540	C
180	NOSLER	E-TIP	83.9	2,904	93.3	3,190	63,758	3.650	C
190	BERGER	VLD	86.1	2,899	95.6	3,169	62,741	3.575	C
200	BARNES	TTSX	80.8	2,756	89.8	3,039	63,968	3.640	C
210	NOSLER	A-BOND LR	80.4	2,726	89.4	2,999	64,676	3.650	C
225	HDY	ELD-M	78.9	2,648	87.7	2,902	64,449	3.700	C
240	SIERRA	HPBT MK	76.6	2,555	85.1	2,786	64,286	3.550	C

30 NOSLER

Barrel: 26" | Twist: 1-10" | Primer: FED 215 M | Bullet Diameter: 0.308"
Case: NOSLER | Max Case Length: 2.556" | Trim Length: 2.546"

ACCURATE MAGPRO

150	NOSLER	A-BOND	81.2	3,085	90.2	3,402	64,482	3.340	
165	HDY	SST	78.1	2,926	86.8	3,245	64,894	3.275	
168	BARNES	TTSX	77.7	2,935	86.3	3,234	64,879	3.340	
168	SIERRA	TMK	78.3	2,937	87.0	3,251	64,829	3.340	
175	SIERRA	TMK	76.1	2,884	84.6	3,181	64,839	3.340	
180	BARNES	TTSX	76.6	2,851	85.1	3,140	64,839	3.340	
200	BARNES	LRX BT	72.5	2,690	80.5	2,944	64,832	3.340	
200	NOSLER	A-BOND	73.8	2,721	82.0	2,998	64,873	3.340	
210	BERGER	BTTLR	73.2	2,680	81.3	2,944	64,912	3.340	
225	HDY	BTHP	71.0	2,609	78.9	2,832	64,824	3.340	
230	BERGER	HYBRID	70.8	2,586	78.7	2,809	64,983	3.340	

RAMSHOT MAGNUM

150	NOSLER	A-BOND	83.2	3,066	92.4	3,396	64,928	3.340	
165	HDY	SST	81.6	2,957	90.7	3,286	64,967	3.275	C
168	BARNES	TTSX	80.2	2,901	89.1	3,220	63,976	3.340	C
168	SIERRA	TMK	80.3	2,928	89.2	3,253	64,764	3.340	
175	SIERRA	TMK	78.8	2,874	87.6	3,188	64,987	3.340	
180	BARNES	TTSX	79.1	2,823	87.9	3,138	64,927	3.340	C
200	BARNES	LRX BT	75.1	2,686	83.5	2,954	64,966	3.340	
200	NOSLER	A-BOND	75.9	2,701	84.4	2,986	64,837	3.340	
210	BERGER	BTTLR	74.3	2,641	82.5	2,922	64,959	3.340	
225	HDY	BTHP	72.5	2,584	80.6	2,824	64,919	3.340	
230	BERGER	HYBRID	72.5	2,569	80.5	2,805	64,936	3.340	

RAMSHOT LRT

210	BERGER	BTTLR	84.3	2,760	93.7	3,043	64,973	3.340	C
225	HDY	BTHP	83.2	2,679	92.4	2,954	64,728	3.340	C
230	BERGER	HYBRID	82.3	2,653	91.5	2,919	64,967	3.340	C

300 NORMA MAGNUM

Barrel: 26" | Twist: 1-10" | Primer: FED 215 M | Bullet Diameter: 0.308"
Case: NORMA | Max Case Length: 2.492" | Trim Length: 2.482"

RAMSHOT LRT

178	HDY	A-MAX	89.6	2,922	99.5	3,274	62,791	3.400	
190	NOSLER	CC	89.0	2,882	98.9	3,219	63,279	3.340	
200	BARNES	LRX	83.7	2,770	93.0	3,054	63,486	3.465	
210	BERGER	BTTLR	83.5	2,740	92.8	3,018	63,372	3.530	
220	SIERRA	HPBT MK	80.6	2,684	89.6	2,929	63,382	3.420	
230	BERGER	THOTM	79.1	2,597	87.9	2,851	63,481	3.500	

300 REMINGTON ULTRA MAGNUM (RUM)

Barrel: 24" | Twist: 1-10" | Primer: FED 215 | Bullet Diameter: 0.308"
Case: REM | Max Case Length: 2.850" | Trim Length: 2.840"

ACCURATE MAGPRO

165	NOSLER	PART	86.0	3,115	96.5	3,402	63,700	3.550	
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RAMSHOT MAGNUM

110	BARNES	TTSX-FB	102.7	3,585	114.1	3,965	63,749	3.585	
150	HDY	SST	91.4	3,076	101.5	3,418	59,580	3.585	
150	SIERRA	SBT GK	91.8	3,094	102.0	3,438	61,120	3.500	
150	BARNES	TSX-BT	92.1	3,108	102.3	3,453	62,630	3.600	
165	NOSLER	PART	90.0	2,967	100.0	3,297	59,880	3.600	
168	HDY	A-MAX	90.3	2,991	100.3	3,323	63,710	3.590	
168	SIERRA	HPBT MK	92.5	3,120	102.8	3,467	62,180	3.535	
180	HDY	BTSP	87.8	2,903	97.5	3,226	62,480	3.565	
180	NOSLER	PART	86.4	2,894	96.0	3,216	62,400	3.575	
180	BARNES	TSX-BT	85.3	2,835	94.8	3,150	62,300	3.600	

(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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300 REMINGTON ULTRA MAGNUM (RUM) *(continued)*

RAMSHOT MAGNUM *(continued)*

200	SIERRA	SBT GK	85.7	2,732	95.2	3,035	62,910	3.600	
220	SIERRA	HPBT MK	81.9	2,583	91.0	2,870	62,940	3.600	

RAMSHOT LRT

150	BARNES	TSX-BT	101.4	3,184	112.6	3,531	63,884	3.600	
155	HDY	A-MAX	98.0	3,053	108.9	3,417	64,476	3.600	
165	NOSLER	PART	98.6	3,049	109.5	3,381	64,359	3.600	
168	BERGER	BTT	97.0	2,907	107.8	3,349	63,959	3.600	
168	HDY	A-MAX	95.1	2,957	105.7	3,295	64,418	3.590	
180	BARNES	TSX-BT	94.3	2,927	104.8	3,228	64,127	3.600	
180	SPEER	GS	94.8	2,906	105.4	3,229	64,137	3.525	
200	SIERRA	HPBT MK	90.1	2,779	100.1	3,067	64,281	3.600	
220	SIERRA	HPBT MK	87.1	2,661	96.8	2,933	64,287	3.600	

7.62 X 39MM

Barrel: 21" | Twist: 1-9.5" | Primer: WIN WLR | Bullet Diameter: 0.310-0.311"
Case: WIN | Max Case Length: 1.528" | Trim Length: 1.518"

ACCURATE 5744

108	BARNES	MPG	19.7	1,954	24.6	2,498	50,028	2.200	
123	HDY	SST	19.1	1,865	23.8	2,377	50,100	2.190	
123	BERRY	SP	17.0	1,731	19.5	1,954	32,436	2.100	
125	SIERRA	SPT	19.2	1,907	24.6	2,433	49,956	2.185	
150	SIERRA	SPT	15.7	1,523	22.5	2,176	50,002	2.200	

ACCURATE 1680

108	BARNES	MPG	26.5	2,454	29.5	2,647	50,977	2.200	C
123	HDY	SST	24.6	2,260	27.3	2,445	51,409	2.190	C
125	SIERRA	SPT	25.0	2,316	27.7	2,475	51,238	2.185	
150	SIERRA	SPT	21.2	1,970	23.6	2,109	51,402	2.200	

ACCURATE LT-30

108	BARNES	MPG	24.1	2,208	26.8	2,411	44,477	2.200	C
123	HDY	SST	23.7	2,133	26.4	2,338	47,337	2.190	C
125	SIERRA	SPT	23.5	2,149	26.1	2,309	44,231	2.185	C
150	SIERRA	SPT	22.7	1,971	25.2	2,155	51,398	2.200	C

ACCURATE LT-32

123	HDY	SST	23.7	2,146	26.4	2,335	48,009	2.190	C
125	SIERRA	SPT	25.2	2,060	28.0	2,259	38,087	2.185	C
150	SIERRA	SPT	23.3	1,881	25.9	2,056	41,434	2.200	C

ACCURATE 2200

108	BARNES	MPG	26.9	2,233	29.9	2,440	39,000	2.200	C
123	HDY	SST	26.5	2,183	29.4	2,387	42,186	2.190	C
125	SIERRA	SPT	27.6	2,234	30.7	2,452	42,328	2.185	C
150	SIERRA	SPT	26.1	2,103	29.0	2,291	48,698	2.200	C

ACCURATE 2015

123	HDY	SST	23.1	1,854	25.6	2,030	36,646	2.190	C
125	SIERRA	SPT	24.4	1,968	27.1	2,154	39,312	2.185	C
150	SIERRA	SPT	22.7	1,789	25.3	1,950	41,736	2.200	C

RAMSHOT X-TERMINATOR

123	HDY	SST	26.3	2,058	29.2	2,233	43,578	2.190	C
125	SIERRA	SPT	26.7	2,119	29.6	2,289	43,312	2.185	C
150	SIERRA	SPT	26.0	1,983	28.9	2,161	48,241	2.200	C

ACCURATE 2230

123	HDY	SST	26.3	2,058	29.2	2,233	43,578	2.190	C
125	SIERRA	SPT	26.7	2,119	29.6	2,289	43,312	2.185	C
150	SIERRA	SPT	26.0	1,983	28.9	2,161	48,241	2.200	C

7.65 X 53MM MAUSER

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.312"
Case: NORMA | Max Case Length: 2.110" | Trim Length: 2.100"

ACCURATE 2015

150	HDY	SP	37.4	2,367	41.5	2,690	47,900	2.850	
180	SIERRA	SPT PH	36.0	2,172	40.0	2,468	48,700	2.850	

ACCURATE 2230

150	HDY	SP	40.5	2,411	45.0	2,740	48,200	2.850	
180	SIERRA	SPT PH	38.3	2,203	42.5	2,503	49,300	2.850	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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ACCURATE 2460

150	HDY	SP	40.5	2,377	45.0	2,701	48,600	2.850	
180	SIERRA	SPT PH	38.7	2,217	43.0	2,519	49,700	2.850	

ACCURATE 2495

150	HDY	SP	42.8	2,436	47.5	2,768	48,800	2.850	C
180	SIERRA	SPT PH	41.4	2,237	46.0	2,542	47,500	2.850	C

ACCURATE 2520

150	HDY	SP	41.9	2,431	46.5	2,763	50,300	2.850	
180	SIERRA	SPT PH	40.5	2,262	45.0	2,570	51,100	2.850	

ACCURATE 2700

150	HDY	SP	46.4	2,373	51.5	2,697	46,400	2.850	C
180	SIERRA	SPT PH	43.2	2,167	48.0	2,463	45,100	2.850	C

ACCURATE 4350

150	HDY	SP	43.2	2,047	48.0	2,326	30,600	2.850	C
180	SIERRA	SPT PH	42.3	1,974	47.0	2,243	32,700	2.850	C

303 BRITISH

Barrel: 24" | Twist: 1-9.5" | Primer: WIN WLR | Bullet Diameter: 0.312"
Case: REM | Max Case Length: 2.222" | Trim Length: 2.212"

ACCURATE 2015

125	SIERRA	SPT PH	41.4	2,706	46.0	3,075	44,200	2.870	C
150	HDY	SP	36.9	2,388	41.0	2,714	42,300	3.010	
180	SIERRA	SPT PH	34.2	2,130	38.0	2,420	42,300	3.000	

ACCURATE 2230

125	SIERRA	SPT PH	39.6	2,561	44.0	2,910	42,600	2.870	
150	HDY	SP	38.7	2,380	43.0	2,704	43,600	3.010	
180	SIERRA	SPT PH	36.0	2,175	40.0	2,472	43,800	3.000	

ACCURATE 2460

125	SIERRA	SPT PH	41.4	2,622	46.0	2,979	42,500	2.870	
150	HDY	SP	39.6	2,401	44.0	2,728	42,900	3.010	
180	SIERRA	SPT PH	36.5	2,149	40.5	2,442	41,500	3.000	

RAMSHOT TAC

150	SIERRA	SPT PH	40.0	2,450	44.0	2,680	46,900	3.075	
174	SIERRA	HPBT MK	37.0	2,250	41.5	2,500	48,100	3.075	

ACCURATE 2495

125	SIERRA	SPT PH	43.2	2,541	48.0	2,887	35,900	2.870	C
150	HDY	SP	41.4	2,400	46.0	2,727	42,500	3.010	C
174	SIERRA	HPBT MK	37.8	2,196	42.0	2,496	42,300	3.075	
180	SIERRA	SPT PH	39.6	2,181	44.0	2,478	42,700	3.000	C

ACCURATE 2520

125	SIERRA	SPT PH	42.8	2,657	47.5	3,019	44,800	2.870	
150	HDY	SP	41.4	2,437	46.0	2,769	45,000	3.010	
174	SIERRA	HPBT MK	35.1	2,153	39.0	2,447	42,900	3.075	
180	SIERRA	SPT PH	39.6	2,260	44.0	2,568	45,000	3.000	

ACCURATE 4064

125	SIERRA	SPT PH	45.0	2,599	50.0	2,954	38,100	2.870	C
150	HDY	SP	42.7	2,424	47.5	2,755	40,500	3.010	C
174	SIERRA	HPBT MK	36.0	2,136	40.0	2,428	43,300	3.075	
180	SIERRA	SPT PH	40.5	2,232	45.0	2,537	41,700	3.000	C

RAMSHOT BIG GAME

150	SIERRA	SPT PH	43.6	2,450	48.5	2,740	47,100	3.075	
174	SIERRA	HPBT MK	41.0	2,320	45.0	2,550	47,200	3.075	

ACCURATE 2700

125	SIERRA	SPT PH	45.0	2,419	50.0	2,749	43,400	2.870	C
150	HDY	SP	43.2	2,254	48.0	2,561	43,200	3.010	
174	SIERRA	HPBT MK	38.7	2,068	43.0	2,351	44,600	3.075	
180	SIERRA	SPT PH	41.4	2,137	46.0	2,428	44,100	3.000	C

ACCURATE 4350

150	HDY	SP	41.4	1,984	46.0	2,254	30,100	3.010	C
174	SIERRA	HPBT MK	41.4	2,118	46.0	2,407	42,800	3.075	C
180	SIERRA	SPT PH	41.4	2,006	46.0	2,280	35,800	3.000	C

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RIFLE DATA

Bullet Weight (Grains) Bullet Make Bullet Type Start Load (Grains) Start Velocity (FPS) Max Load (Grains) Max Velocity (FPS) Max Pressure (PSI) COL (Inches) Comp. Load

7.7 X 58MM ARISAKA

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.312"
Case: NORMA | Max Case Length: 2.270" | Trim Length: 2.260"

ACCURATE 2700

150	HDY	SP	48.5	2,602	52.0	2,650	46,400	3.175
180	SIERRA	SPT PH	46.1	2,318	50.0	2,499	46,800	3.150

ACCURATE 4350

150	HDY	SP	46.8	2,346	52.0	2,666	39,500	3.175	C
180	SIERRA	SPT PH	46.8	2,240	52.0	2,545	42,300	3.150	C

7.62 X 54R RUSSIAN

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.312"
Case: LAPUA | Max Case Length: 2.115" | Trim Length: 2.105"

ACCURATE 4350

150	SIERRA	SPT PH	48.6	2,352	54.0	2,673	44,100	2.850	C
180	SIERRA	SPT PH	45.9	2,197	51.0	2,497	43,000	2.900	C

8 X 57MM JS MAUSER

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.323"
Case: REM | Max Case Length: 2.244" | Trim Length: 2.234"

ACCURATE 2460

125	HDY	SP	50.0	2,845	55.5	3,233	56,600	2.880
150	SIERRA	SPT PH	45.9	2,557	51.0	2,906	53,700	2.940
170	HDY	RN	44.1	2,401	49.0	2,728	55,600	2.855

RAMSHOT TAC

150	HDY	SP	46.0	2,610	51.5	2,890	54,100	2.975
175	SIERRA	SPT PH	45.0	2,475	49.0	2,675	53,500	3.100
200	SIERRA	HPBT	41.0	2,275	45.5	2,500	54,200	3.115

ACCURATE 2520

150	SIERRA	SPT PH	47.3	2,600	52.5	2,955	55,800	2.940
170	HDY	RN	45.0	2,439	50.0	2,752	57,500	2.855
220	HDY	SP	40.5	2,069	45.0	2,351	55,600	2.990

RAMSHOT BIG GAME

150	HDY	SP	51.0	2,690	56.0	2,910	53,800	2.975
175	SIERRA	SPT PH	49.0	2,500	54.0	2,750	54,200	3.100
200	NOSLER	A-BOND	45.0	2,330	50.0	2,550	54,000	3.115

8MM-06

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.323"
Case: IMI | Max Case Length: 2.494" | Trim Length: 2.484"

ACCURATE 2015

125	HDY	SP	49.5	2,939	55.0	3,340	53,300	3.200
150	HDY	SP	45.0	2,617	50.0	2,974	52,200	3.200
170	HDY	RN	43.2	2,505	48.0	2,847	59,300	3.055
200	SPEER	SPZSP	38.7	2,174	43.0	2,470	54,600	3.220
220	HDY	SP	37.8	2,104	42.0	2,391	58,200	3.300

ACCURATE 2230

125	HDY	SP	52.2	2,952	58.0	3,354	55,600	3.200
150	HDY	SP	47.7	2,652	53.0	3,014	55,900	3.200
170	HDY	RN	45.0	2,475	50.0	2,812	58,700	3.055
200	SPEER	SPZSP	39.6	2,157	44.0	2,451	51,500	3.220
220	HDY	SP	38.3	2,067	42.5	2,349	57,900	3.300

ACCURATE 2460

125	HDY	SP	54.0	3,008	60.0	3,418	58,100	3.200
150	HDY	SP	49.5	2,698	55.0	3,066	56,400	3.200
170	HDY	RN	45.9	2,484	51.0	2,823	58,900	3.055
200	SPEER	SPZSP	39.6	2,151	44.0	2,444	54,200	3.220
220	HDY	SP	39.2	2,099	43.5	2,385	58,800	3.300

ACCURATE 2495

125	HDY	SP	50.9	2,913	56.5	3,310	56,100	3.200
150	HDY	SP	48.6	2,702	54.0	3,071	57,600	3.200
170	HDY	RN	46.4	2,500	51.5	2,841	57,500	3.055
200	SPEER	SPZSP	38.3	2,152	42.5	2,445	55,300	3.220
220	HDY	SP	37.8	2,050	42.0	2,329	57,100	3.300

ACCURATE 2520

125	HDY	SP	53.6	2,966	59.5	3,370	57,600	3.200
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Bullet Weight (Grains) Bullet Make Bullet Type Start Load (Grains) Start Velocity (FPS) Max Load (Grains) Max Velocity (FPS) Max Pressure (PSI) COL (Inches) Comp. Load

150	HDY	SP	50.4	2,730	56.0	3,102	57,600	3.200
170	HDY	RN	46.8	2,487	52.0	2,826	58,400	3.055
200	SPEER	SPZSP	41.0	2,159	45.5	2,453	54,000	3.220
220	HDY	SP	39.6	2,052	44.0	2,332	57,900	3.300

ACCURATE 2700

125	HDY	SP	59.9	3,019	63.0	3,212	55,400	3.200
150	HDY	SP	58.0	2,839	61.0	3,020	52,300	3.200
170	HDY	RN	55.1	2,698	58.0	2,870	54,900	3.055
200	SPEER	SPZSP	50.4	2,402	53.0	2,555	55,300	3.220
220	HDY	SP	52.3	2,387	55.0	2,539	56,900	3.300

ACCURATE 4350

125	HDY	SP	54.9	2,572	61.0	2,923	34,600	3.200	
150	HDY	SP	53.1	2,481	59.0	2,819	39,700	3.200	C
170	HDY	RN	54.0	2,482	60.0	2,820	51,400	3.055	C
200	SPEER	SPZSP	49.5	2,300	55.0	2,614	57,400	3.220	C
220	HDY	SP	50.0	2,238	55.5	2,543	58,600	3.300	C

325 WINCHESTER SHORT MAGNUM (WSM)

Barrel: 24" | Twist: 1-10" | Primer: WIN WLRM | Bullet Diameter: 0.323"
Case: WIN | Max Case Length: 2.100" | Trim Length: 2.090"

ACCURATE 4064

180	NOSLER	B-TIP	54.5	2,636	60.5	2,929	62,900	2.800
200	SIERRA	HPBT MK	52.0	2,500	58.0	2,720	62,000	2.827
220	SIERRA	SBT GK	51.3	2,354	57.0	2,615	63,300	2.800

RAMSHOT BIG GAME

150	HDY	SP	65.0	2,985	72.5	3,215	61,900	2.820
180	NOSLER	B-TIP	58.0	2,750	64.0	2,990	62,400	2.916
200	SIERRA	HPBT MK	55.8	2,550	62.0	2,820	63,500	2.920
220	SIERRA	SBT GK	53.0	2,450	59.0	2,670	62,500	2.876

ACCURATE 2700

180	NOSLER	B-TIP	61.7	2,755	68.5	3,061	63,500	2.800	C
200	SIERRA	HPBT MK	59.4	2,550	66.0	2,800	62,500	2.827	C
220	SIERRA	SBT GK	57.6	2,476	64.0	2,751	60,400	2.800	

RAMSHOT HUNTER

180	NOSLER	B-TIP	62.0	2,740	70.0	3,030	62,000	2.916
200	SIERRA	HPBT MK	61.2	2,655	68.0	2,910	62,000	2.920
220	SIERRA	SBT GK	60.0	2,590	67.0	2,780	63,800	2.876

8MM REMINGTON MAGNUM

Barrel: 24" | Twist: 1-10" | Primer: FED 215 | Bullet Diameter: 0.323"
Case: REM | Max Case Length: 2.850" | Trim Length: 2.840"

RAMSHOT MAGNUM

200	NOSLER	A-BOND	82.0	2,700	91.0	3,050	63,000	3.600	C
220	SIERRA	SBT GK	81.0	2,680	89.0	2,950	64,800	3.600	C

338 FEDERAL

Barrel: 24" | Twist: 1-10" | Primer: FED 215 | Bullet Diameter: 0.338"
Case: WIN | Max Case Length: 2.015" | Trim Length: 2.005"

ACCURATE 5744

200	HDY	SP	32.6	2,200	36.2	2,426	60,000	2.814
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ACCURATE 2015

185	BARNES	TSX-BT	38.9	2,408	43.2	2,593	58,000	2.783	C
200	HDY	SP	39.2	2,369	43.5	2,532	59,600	2.814	C
215	SIERRA	SBT GK	37.0	2,242	41.1	2,399	59,800	2.800	

RAMSHOT X-TERMINATOR

185	BARNES	TSX-BT	43.0	2,520	47.8	2,757	60,000	2.783	C
200	HDY	SP	42.4	2,476	47.1	2,656	59,250	2.814	C
215	SIERRA	SBT GK	39.9	2,349	44.3	2,532	59,875	2.800	
225	NOSLER	A-BOND	38.8	2,197	43.1	2,436	57,500	2.814	C

ACCURATE 2230

185	BARNES	TSX-BT	40.9	2,484	45.5	2,683	59,750	2.783	
200	HDY	SP	40.4	2,376	44.8	2,605	60,000	2.814	
215	SIERRA	SBT GK	39.0	2,317	43.3	2,503	59,825	2.800	
225	NOSLER	A-BOND	38.3	2,261	42.5	2,427	59,850	2.814	C

RAMSHOT TAC

185	BARNES	TSX-BT	43.4	2,485	48.3	2,708	57,000	2.783	C
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(continued on next page)

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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338 LAPUA MAGNUM

Barrel: 28" | Twist: 1-10" | Primer: WIN WLRM | Bullet Diameter: 0.338"
Case: LAPUA | Max Case Length: 2.724" | Trim Length: 2.714"

ACCURATE MAGPRO

200	HDY	SP	97.5	3,039	108.3	3,369	64,538	3.530	C
200	NOSLER	BST	99.5	3,062	110.5	3,355	60,494	3.605	C
200	NOSLER	PART	95.7	3,112	106.4	3,381	64,227	3.740	
200	NOSLER	E-TIP	95.3	3,108	105.9	3,342	64,882	3.720	
210	NOSLER	PART	89.5	2,955	99.4	3,224	64,263	3.610	
210	BARNES	TSX-BT	92.8	2,985	103.2	3,236	64,900	3.525	
215	SIERRA	SBT GK	92.9	2,978	103.2	3,262	64,553	3.628	
225	HDY	SP	92.4	2,810	102.6	3,126	64,301	3.555	
225	NOSLER	A-BOND	93.0	2,921	103.4	3,188	64,717	3.730	
225	NOSLER	PART	91.8	2,927	102.0	3,169	64,371	3.650	
225	SIERRA	SPT PH	91.8	2,907	102.0	3,162	64,919	3.588	
225	BARNES	TSX-FB	89.5	2,828	99.5	3,108	64,813	3.525	
230	LHG	MMF	90.9	2,937	101.1	3,210	64,566	3.660	C
245	LHG	M-HYB	90.0	2,882	100.0	3,142	64,616	3.970	
250	HDY	BTHP	87.6	2,747	97.3	3,040	64,795	3.682	
250	LAPUA	SCENAR	86.5	2,740	96.1	3,009	64,217	3.625	
250	NOSLER	PART	87.1	2,724	96.8	2,967	64,578	3.595	
250	SIERRA	SBT GK	86.8	2,755	96.4	3,007	64,339	3.575	
250	SIERRA	HPBT	86.3	2,747	95.9	3,014	64,469	3.705	
250	BARNES	TSX-FB	85.1	2,675	94.6	2,940	64,782	3.525	
265	BARNES	TAC-TX	83.6	2,584	92.9	2,864	64,571	3.670	
285	HDY	BTHP-M	82.8	2,561	92.0	2,817	64,328	3.750	
285	BARNES	TAC-TX	81.3	2,497	90.4	2,753	64,864	3.625	
300	BERGER	HYBRID	80.3	2,497	89.2	2,737	64,656	3.825	
300	LAPUA	SCENAR	80.1	2,476	89.0	2,713	64,750	3.700	
300	SIERRA	HPBT MK	79.9	2,473	88.7	2,721	64,781	3.715	

RAMSHOT MAGNUM

200	HDY	SP	97.5	3,016	108.3	3,340	64,767	3.530	C
200	NOSLER	BST	98.9	3,067	109.9	3,380	63,348	3.605	C
200	NOSLER	PART	97.2	3,053	108.0	3,376	64,736	3.740	
200	NOSLER	E-TIP	94.5	2,993	104.9	3,319	64,877	3.720	
210	NOSLER	PART	95.0	2,946	105.5	3,268	64,585	3.610	
210	BARNES	TSX-BT	93.0	2,921	103.4	3,226	64,870	3.525	
215	SIERRA	SBT GK	93.6	2,944	104.0	3,249	64,608	3.625	
225	HDY	SP	93.9	2,852	104.3	3,153	64,577	3.555	
225	NOSLER	A-BOND	92.7	2,864	103.0	3,167	64,810	3.730	
225	NOSLER	PART	93.0	2,842	103.3	3,150	64,442	3.650	
225	SIERRA	SPT PH	90.6	2,824	100.7	3,097	64,297	3.585	
225	BARNES	TSX-FB	90.7	2,792	100.7	3,081	64,526	3.525	
230	LHG	MMF	92.7	2,882	103.0	3,170	64,313	3.655	C
245	LHG	M-HYB	88.9	2,779	98.8	3,077	64,559	3.970	
250	HDY	BTHP-M	89.7	2,741	99.6	3,040	64,816	3.682	
250	LAPUA	SCENAR	87.2	2,709	96.9	2,982	64,517	3.625	
250	NOSLER	PART	88.2	2,669	98.0	2,959	64,621	3.595	
250	SIERRA	SBT GK	84.3	2,736	93.7	2,985	64,811	3.594	
250	SIERRA	HPBT MK	89.2	2,746	99.1	3,026	64,865	3.705	
250	BARNES	TSX-FB	88.9	2,677	98.7	2,957	64,943	3.525	C
265	BARNES	TAC-TX	88.0	2,628	97.8	2,889	64,897	3.670	
285	HDY	BTHP-M	85.3	2,550	94.8	2,821	64,361	3.750	
285	BARNES	TAC-TX	84.4	2,512	93.7	2,753	64,639	3.625	
300	BERGER	HYBRID	82.4	2,476	91.5	2,732	64,492	3.820	
300	LAPUA	SCENAR	82.6	2,459	91.8	2,713	64,927	3.700	
300	SIERRA	HPBT MK	82.1	2,455	91.2	2,707	64,703	3.715	

RAMSHOT LRT

250	SIERRA	HPBT MK	97.3	2,838	108.1	3,114	64,352	3.680	C
265	BARNES	TAC-TX	92.3	2,736	102.5	2,935	63,851	3.660	C
285	BARNES	TAC-X BT	87.2	2,578	96.9	2,813	64,544	3.660	
285	HDY	BTHP	94.3	2,683	104.8	2,909	63,729	3.680	C
300	BERGER	HYBRID	92.7	2,598	103.0	2,837	63,836	3.680	C
300	SIERRA	HPBT MK	90.9	2,592	101.0	2,807	63,727	3.680	C

348 WINCHESTER

Barrel: 24" | Twist: 1-12" | Primer: WIN WLR | Bullet Diameter: 0.348"
Case: WIN | Max Case Length: 2.255" | Trim Length: 2.245"

ACCURATE 5744

200	HDY	FP	30.6	1,917	34.0	2,179	33,158	2.795	
220	BARNES	FN-O	28.8	1,783	32.0	2,027	32,922	2.750	
250	BARNES	FN-O	27.4	1,650	30.5	1,876	33,276	2.795	

ACCURATE 2700

200	HDY	FP	53.2	2,332	56.0	2,481	31,506	2.795	
220	BARNES	FN-O	50.4	2,175	53.0	2,314	30,444	2.750	
250	BARNES	FN-O	47.5	2,018	50.0	2,147	31,034	2.795	

ACCURATE 4350

200	HDY	FP	55.8	2,223	62.0	2,526	29,028	2.795	C
220	BARNES	FN-O	53.1	2,114	59.0	2,402	29,382	2.750	C
250	BARNES	FN-O	49.5	1,974	55.0	2,243	31,034	2.795	
250 (L)	LYMAN	#350457	49.5	1,947	55.0	2,212	27,966	2.795	

356 WINCHESTER

Barrel: 24" | Twist: 1-12" | Primer: WIN WLR | Bullet Diameter: 0.358"
Case: WIN | Max Case Length: 2.015" | Trim Length: 2.005"

ACCURATE 2015

									CUPS
180	SPEER	FNFP	40.5	2,379	45.0	2,703	46,300	2.545	C
220	SPEER	FNFP	35.1	2,037	39.0	2,315	44,200	2.555	

ACCURATE 2230

180	SPEER	FNFP	40.5	2,207	45.0	2,508	45,500	2.545	
220	SPEER	FNFP	36.0	1,961	40.0	2,228	46,600	2.555	

ACCURATE 2460

180	SPEER	FNFP	41.4	2,244	46.0	2,550	44,400	2.545	C
220	SPEER	FNFP	36.9	1,992	41.0	2,264	45,300	2.555	

ACCURATE 2495

180	SPEER	FNFP	43.2	2,177	48.0	2,474	37,600	2.545	C
220	SPEER	FNFP	40.5	2,015	45.0	2,290	39,100	2.555	C

ACCURATE 2520

180	SPEER	FNFP	44.1	2,267	49.0	2,576	41,800	2.545	C
220	SPEER	FNFP	41.9	2,116	46.5	2,404	45,400	2.555	C

ACCURATE 2700

180	SPEER	FNFP	46.6	2,161	49.0	2,299	40,600	2.545	C
220	SPEER	FNFP	45.6	2,029	48.0	2,158	44,800	2.555	C

35 REMINGTON

Barrel: 24" | Twist: 1-12" | Primer: WIN WLR | Bullet Diameter: 0.358"
Case: REM | Max Case Length: 1.920" | Trim Length: 1.910"

ACCURATE 5744

180	SPEER	FNFP	22.5	1,664	25.0	1,891	32,700	2.465	
200	SIERRA	RN PH	21.6	1,563	24.0	1,777	29,800	2.470	
200 (L)	RCBS	35-200-FN	20.7	1,546	23.0	1,757	27,600	2.410	

ACCURATE 2015

180	SPEER	FNFP	32.4	1,847	36.0	2,099	27,800	2.465	
200	SIERRA	RN PH	31.5	1,806	35.0	2,052	31,000	2.470	
200 (L)	RCBS	35-200-FN	29.3	1,705	32.5	1,938	30,800	2.410	

RAMSHOT X-TERMINATOR

200	SIERRA	RN SP	33.0	1,940	37.0	2,150	37,700	2.475	
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ACCURATE 2230

180	SPEER	FNFP	32.9	1,814	36.5	2,061	28,900	2.465	
200	SIERRA	RN PH	31.5	1,744	35.0	1,982	30,900	2.470	
200 (L)	RCBS	35-200-FN	29.3	1,680	32.5	1,909	29,700	2.410	

ACCURATE 2460

180	SPEER	FNFP	33.3	1,838	37.0	2,089	28,300	2.465	
200	SIERRA	RN PH	33.3	1,785	37.0	2,028	27,200	2.470	
200 (L)	RCBS	35-200-FN	30.6	1,726	34.0	1,961	30,300	2.410	

RAMSHOT TAC

200	SIERRA	RN PH	36.0	1,960	40.0	2,150	38,500	2.475	
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ACCURATE 2495

180	SPEER	FNFP	36.9	1,866	41.0	2,121	20,000	2.465	C
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RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
375 RUGER (continued)																			
RAMSHOT BIG GAME																			
260	NOSLER	A-BOND	75.6	2,599	84.0	2,888	62,160	3,339	C	270	WDL	WLCPP	71.1	2,483	79.0	2,759	61,130	3,307	
270	BARNES	BAND-S	74.7	2,555	83.0	2,839	61,882	3,307	C	300	NOSLER	PART	71.1	2,358	79.0	2,620	61,440	3,294	
300	WDL	WLCPP	68.1	2,355	75.7	2,617	62,000	3,307		300	BARNES	BAND-S	71.4	2,413	79.3	2,681	61,480	3,304	C
300	BARNES	BAND-S	71.4	2,413	79.3	2,681	61,480	3,304	C	300	BARNES	TSX-FB	68.0	2,311	75.5	2,568	61,651	3,304	
ACCURATE 2700																			
260	NOSLER	A-BOND	76.1	2,610	84.6	2,900	62,800	3,339	C										
270	WDL	WLCPP	75.2	2,540	83.5	2,822	62,860	3,307	C										
270	BARNES	BAND-S	76.1	2,547	84.5	2,830	62,000	3,307	C										
300	NOSLER	PART	72.9	2,388	81.0	2,653	63,180	3,294											
300	WDL	WLCPP	68.7	2,361	76.3	2,623	63,000	3,307											
300	BARNES	BAND-S	72.9	2,437	81.0	2,708	62,020	3,304	C										
300	BARNES	TSX-FB	71.6	2,354	79.5	2,615	61,727	3,304	C										
ACCURATE 4350																			
300	NOSLER	PART	75.6	2,457	84.0	2,620	60,278	3,294	C										
300	WDL	WLCPP	76.2	2,514	84.7	2,682	62,960	3,307	C										
RAMSHOT HUNTER																			
270	WDL	WLCPP	78.3	2,578	87.0	2,864	62,870	3,307											
270	BARNES	BAND-S	78.3	2,561	87.0	2,845	57,530	3,307	C										
300	NOSLER	PART	76.5	2,410	85.0	2,678	62,300	3,294	C										
300	WDL	WLCPP	75.6	2,448	84.0	2,720	63,490	3,307											
300	BARNES	BAND-S	76.5	2,463	85.0	2,737	62,400	3,304	C										
300	BARNES	TSX-FB	74.7	2,390	83.0	2,656	61,830	3,304	C										
375 H&H MAGNUM																			
Barrel: 24" Twist: 1-12" Primer: FED 215 Bullet Diameter: 0.375" Case: WIN Max Case Length: 2.850" Trim Length: 2.840"																			
RAMSHOT TAC																			
200	SIERRA	FNSP	65.7	2,766	73.0	3,073	54,060	3,420											
210	BARNES	XFB	67.1	2,750	74.5	3,055	56,950	3,475											
220	HDY	FP	63.9	2,660	71.0	2,955	58,740	3,315											
235	BARNES	XFB	67.1	2,635	74.5	2,928	59,250	3,595											
250	BARNES	XFB	61.4	2,445	68.2	2,717	57,930	3,560											
300	NOSLER	FS	57.9	2,212	64.3	2,458	59,810	3,560											
RAMSHOT BIG GAME																			
250	SIERRA	SBT GK	71.5	2,561	79.4	2,845	54,970	3,600											
270	HDY	SP	69.1	2,432	76.8	2,702	53,080	3,570											
270	BARNES	TSX-FB	71.4	2,430	79.3	2,700	57,099	3,580											
300	SIERRA	SBT GK	67.5	2,333	75.0	2,592	57,870	3,600											
300	BARNES	TSX-FB	68.0	2,318	75.6	2,575	57,800	3,575											
ACCURATE 2700																			
250	SIERRA	SBT GK	76.0	2,644	80.0	2,813	59,800	3,585											
270	HDY	SP	76.0	2,530	80.0	2,691	55,800	3,570											
300	SIERRA	SBT GK	71.3	2,397	75.0	2,550	56,600	3,585											
350	BARNES	BAND-S	63.7	2,123	67.0	2,259	56,600	3,560											
ACCURATE 4350																			
250	SIERRA	SBT GK	75.6	2,431	84.0	2,763	48,900	3,585	C										
270	HDY	SP	75.6	2,386	84.0	2,711	50,300	3,570	C										
300	SIERRA	SBT GK	71.1	2,192	79.0	2,491	50,000	3,545	C										
350	BARNES	BAND-S	67.5	2,072	75.0	2,355	54,800	3,560	C										
375 REMINGTON ULTRA MAGNUM (RUM)																			
Barrel: 24" Twist: 1-12" Primer: WIN WLRM Bullet Diameter: 0.375" Case: REM Max Case Length: 2.850" Trim Length: 2.840"																			
ACCURATE 2700																			
250	SIERRA	SBT GK	86.4	2,716	96.0	3,018	61,900	3,595											
260	NOSLER	PART	85.0	2,670	95.0	2,950	64,500	3,565											
270	SWIFT	AF	83.0	2,600	92.5	2,860	63,800	3,550											
300	NOSLER	PART	78.0	2,450	87.0	2,720	64,500	3,550											
ACCURATE 4350																			
250	SIERRA	SBT GK	89.1	2,732	99.0	3,036	59,800	3,595	C										
260	NOSLER	PART	87.0	2,690	96.2	2,970	62,400	3,565	C										
270	SWIFT	AF	86.0	2,680	95.5	2,880	62,500	3,550	C										
300	NOSLER	PART	83.3	2,471	92.5	2,746	61,500	3,550	C										
RAMSHOT HUNTER																			
250	SIERRA	SBT GK	89.0	2,800	99.0	3,070	62,900	3,575											
300	SIERRA	SBT GK	83.0	2,580	92.0	2,820	62,800	3,585											
RAMSHOT MAGNUM																			
300	SIERRA	SBT GK	98.0	2,690	106.0	2,850	58,000	3,585	C										
REDUCED LOADS - NO OTHER LOAD RECOMMENDED																			
ACCURATE 5744																			
250	SIERRA	SBT GK	43.2	1,895					3,595										
416 REMINGTON MAGNUM																			
Barrel: 24" Twist: 1-14" Primer: WIN WLRM Bullet Diameter: 0.416" Case: REM Max Case Length: 2.850" Trim Length: 2.840"																			
ACCURATE 2460																			
350	BARNES	X	71.1	2,298	79.0	2,611	60,180	3,590											
400	HDY	RN	66.6	2,097	74.0	2,383	59,354	3,580											
RAMSHOT TAC																			
400	HDY	RN	68.0	2,100	76.0	2,400	60,700	3,585											
ACCURATE 2495																			
350	BARNES	X	73.8	2,226	82.0	2,530	54,870	3,590	C										
400	HDY	RN	72.0	2,154	80.0	2,448	59,000	3,580	C										
ACCURATE 2520																			
350	BARNES	X	70.2	2,255	78.0	2,563	57,348	3,590											
400	HDY	RN	67.5	2,099	75.0	2,385	61,242	3,580											
ACCURATE 4064																			
350	BARNES	X	74.7	2,235	83.0	2,540	54,516	3,590	C										
400	HDY	RN	72.0	2,128	80.0	2,419	56,404	3,580	C										
RAMSHOT BIG GAME																			
400	HDY	RN	75.0	2,250	83.0	2,400	61,700	3,585	C										
ACCURATE 2700																			
350	BARNES	X	81.7	2,384	86.0	2,536	55,460	3,590	C										
400	HDY	RN	80.8	2,295	85.0	2,442	58,764	3,580	C										
444 MARLIN																			
Barrel: 24" Twist: 1-38" Primer: WIN WLR Bullet Diameter: 0.429" Case: REM Max Case Length: 2.225" Trim Length: 2.215"																			
ACCURATE 5744										CUP									
200	HDY	XTP	36.0	2,021	40.0	2,297	42,400	2,520											
200 (L)	LC	RNFP	34.2	1,958	38.0	2,225	41,000	2,560											
240	SIERRA	JHC	33.3	1,820	37.0	2,069	41,900	2,520											
240 (L)	LC	SWC	32.4	1,804	36.0	2,051	39,200	2,570											
265	HDY	FP	31.5	1,692	35.0	1,923	40,500	2,570											
ACCURATE 2015																			
200	HDY	XTP	57.0	2,409	60.0	2,563	42,700	2,520	C										
240	SIERRA	JHC	52.3	2,217	55.0	2,359	43,000	2,520	C										
265	HDY	FP	49.4	2,088	52.0	2,221	41,500	2,570	C										
RAMSHOT X-TERMINATOR																			
200	NOSLER	JHP	50.2	2,182	58.0	2,424	31,360	2,525	C										
240	HDY	CL-SIL	49.5	2,034	55.0	2,260	36,250	2,530											
240	SIERRA	JHC	49.5	2,048	55.0	2,275	36,180	2,530	C										
240	NOSLER	JHP	49.5	2,060	55.0	2,289	37,060	2,520	C										
265	HDY	FP	47.7	2,010	54.0	2,250	35,000	2,560											
300	HDY	XTP	45.0	1,811	50.0	2,012	39,750	2,530	C										
ACCURATE 2230																			
240	SIERRA	JHC	54.2	2,181	57.0	2,320	44,000	2,520	C										
265	HDY	FP	52.3	2,074	55.0	2,206	44,000	2,570											
ACCURATE 2460																			
240	SIERRA	JHC	54.2	2,138	57.0	2,274	42,700	2,520	C										
265	HDY	FP	53.2	2,084	56.0	2,217	43,700	2,570	C										
RAMSHOT TAC																			
240	HDY	CL-SIL	50.4	2,038	56.0	2,264	36,630	2,535											
240	SIERRA	JHC	50.4	2,062	56.0	2,291	37,610	2,530	C										
265	HDY	FP	49.5	2,042	55.0	2,245	37,250	2,560											
300	HDY	XTP	45.9	1,810	51.0	2,011	39,990	2,530	C										

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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450 BUSHMASTER

Barrel: 16" | Twist: 1-24" | Primer: WIN WSR | Bullet Diameter: 0.451"
Case: HDY | Max Case Length: 1.700" | Trim Length: 1.695"

ACCURATE NO.9

200	HDY	FTX	36.1	2,252	40.2	2,472	39,268	2.190	
200	SIERRA	FPJ	35.3	2,289	39.2	2,417	39,156	2.000	
225	HDY	FTX	33.8	2,098	37.6	2,288	39,624	2.120	
230	SIERRA	FMJ	32.6	2,053	36.2	2,214	39,444	2.135	
250	NOSLER	HP	33.0	1,944	36.7	2,145	39,366	2.025	
300	HDY	XTP	26.0	1,622	28.9	1,761	39,298	2.085	
325	BARNES	BSTR	22.4	1,394	24.9	1,529	39,198	2.190	

RAMSHOT ENFORCER

200	HDY	FTX	39.4	2,236	43.8	2,531	39,521	2.190	C
200	SIERRA	FPJ	40.5	2,334	45.0	2,522	39,490	2.000	
225	HDY	FTX	36.5	2,082	40.5	2,332	39,297	2.120	
230	SIERRA	FMJ	34.3	2,080	38.2	2,226	39,200	2.135	
250	NOSLER	HP	34.6	1,963	38.5	2,147	38,426	2.025	
300	HDY	XTP	28.4	1,640	31.6	1,788	39,107	2.085	
325	BARNES	BSTR	24.2	1,427	26.9	1,598	39,856	2.190	

ACCURATE 4100

200	HDY	FTX	39.4	2,236	43.8	2,531	39,521	2.190	C
200	SIERRA	FPJ	40.5	2,334	45.0	2,522	39,490	2.000	
225	HDY	FTX	36.5	2,082	40.5	2,332	39,297	2.120	
230	SIERRA	FMJ	34.3	2,080	38.2	2,226	39,200	2.135	
250	NOSLER	HP	34.6	1,963	38.5	2,147	38,426	2.025	
300	HDY	XTP	28.4	1,640	31.6	1,788	39,107	2.085	
325	BARNES	BSTR	24.2	1,427	26.9	1,598	39,856	2.190	

ACCURATE 5744

200	HDY	FTX	38.0	2,052	42.2	2,273	39,766	2.190	C
200	SIERRA	FPJ	40.1	2,104	44.5	2,336	39,800	2.000	
225	HDY	FTX	36.1	1,927	40.1	2,129	39,813	2.120	C
230	SIERRA	FMJ	38.5	1,954	42.8	2,196	39,843	2.135	
250	NOSLER	HP	35.2	1,837	39.1	2,042	39,803	2.025	
300	HDY	XTP	31.8	1,617	35.4	1,808	39,726	2.085	
325	BARNES	BSTR	31.6	1,536	35.1	1,733	39,483	2.190	

ACCURATE 1680

230	SIERRA	FMJ	48.3	2,231	53.7	2,430	39,651	2.135	C
250	NOSLER	HP	42.2	1,970	46.9	2,207	39,165	2.025	C
300	HDY	XTP	37.5	1,741	41.7	1,900	39,260	2.085	C
325	BARNES	BSTR	32.1	1,529	35.7	1,720	39,699	2.190	

458 SOCOM

Barrel: 16" | Twist: 14" | Primer: WIN WLP | Bullet Diameter: 0.458"
Case: STAR | Max Case Length: 1.575" | Trim Length: 1.570"

RAMSHOT ENFORCER

300	BARNES	FN-O	25.3	1,635	28.1	1,750	34,526	2.015	
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ACCURATE 4100

300	BARNES	FN-O	25.3	1,635	28.1	1,750	34,526	2.015	
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ACCURATE 5744

300	BARNES	FN-O	33.6	1,679	37.4	1,844	34,469	2.015	
325	HDY	FTX	29.4	1,463	32.6	1,632	34,952	2.160	
350	HDY	RN	30.4	1,479	33.8	1,630	34,865	2.040	
350	SPEER	FN	31.9	1,512	35.5	1,673	34,896	2.185	
350 (P)	RAN	FP	30.0	1,488	33.3	1,634	34,344	1.985	
400	BARNES	BSTR	25.7	1,245	28.6	1,402	34,447	2.030	
400	BARNES	FN-O	27.8	1,392	30.9	1,543	34,903	2.025	
400	SPEER	FN	28.6	1,392	31.8	1,538	34,901	2.040	

ACCURATE 1680

300	BARNES	FN-O	37.8	1,782	42.0	1,961	34,563	2.015	
325	HDY	FTX	32.3	1,581	35.9	1,752	34,445	2.160	
350	HDY	RN	32.5	1,552	36.1	1,708	34,233	2.040	
350	SPEER	FN	35.3	1,614	39.2	1,773	34,373	2.185	
350 (P)	RAN	FP	31.0	1,503	34.4	1,644	34,702	1.985	
400	BARNES	BSTR	28.2	1,281	31.3	1,437	34,406	2.030	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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400	BARNES	FN-O	30.5	1,421	33.9	1,527	34,266	2.025	
400	SPEER	FN-S	31.5	1,448	35.0	1,570	34,622	2.040	

ACCURATE LT-30

250	BARNES	TSX-FB	38.7	1,648	43.0	1,867	31,168	2.125	C
300	BARNES	FN-O	38.6	1,631	42.9	1,825	34,468	2.015	C
300	BARNES	TAC-TX	33.8	1,478	37.6	1,669	33,286	2.260	C
325	HDY	FTX	35.4	1,449	39.3	1,644	30,500	2.160	C
330	BARNES	BAND-S	39.7	1,616	44.1	1,803	34,426	2.260	C
350	HDY	RN	36.4	1,480	40.4	1,663	34,673	2.040	C
400	BARNES	FN-O	31.1	1,292	34.6	1,446	34,368	2.025	C
400	BARNES	BSTR	30.2	1,227	33.5	1,383	34,229	2.030	C

ACCURATE LT-32

330	BARNES	BAND-S	42.3	1,612	47.0	1,802	33,596	2.260	C
350	HDY	RN	37.7	1,427	41.9	1,610	30,589	2.040	C
400	BARNES	BSTR	32.0	1,228	35.6	1,390	33,586	2.030	C
400	BARNES	FN-O	33.2	1,303	36.9	1,459	33,229	2.025	C

ACCURATE 2200

300	BARNES	FN-O	42.9	1,766	47.7	1,968	34,853	2.015	C
325	HDY	FTX	38.1	1,561	42.3	1,739	34,714	2.160	C
350	HDY	RN	39.0	1,564	43.3	1,745	34,659	2.040	C
350	SPEER	M-TSP	40.7	1,619	45.3	1,804	34,629	2.185	
350 (P)	RAN	FP	37.3	1,538	41.5	1,700	34,525	1.985	C
400	BARNES	BSTR	33.8	1,443	37.6	1,580	34,354	2.030	C
400	BARNES	FN-O	34.4	1,428	38.2	1,587	34,198	2.025	C
400	SPEER	FN-S	37.4	1,492	41.6	1,649	34,721	2.040	C

RAMSHOT X-TERMINATOR

300	BARNES	FN-O	40.3	1,591	44.7	1,740	34,850	2.015	
400	BARNES	FN-O	35.1	1,340	39.0	1,473	34,714	2.025	C

ACCURATE 2230

300	BARNES	FN-O	40.3	1,591	44.7	1,740	34,850	2.015	
400	BARNES	FN-O	35.1	1,340	39.0	1,473	34,714	2.025	C

458 SOCOM (SUBSONIC LOADS)

Barrel: 16" | Twist: 14" | Primer: WIN WLP | Bullet Diameter: 0.458"
Case: STAR | Max Case Length: 1.575" | Trim Length: 1.570"

ACCURATE 1680

570	LHG	CF	19.1	758	21.3	901	33,281	2.780	
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ACCURATE 5744

570	LHG	CF	17.5	701	19.5	823	33,142	2.795	
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45-70 GOVERNMENT 19,000 PSI LOADINGS

TRAPDOOR SPRINGFIELD AND SIMILAR RIFLES

Barrel: 24" | Twist: 1-20" | Primer: WIN WLR | Bullet Diameter: 0.458"
Case: REM | Max Case Length: 2.105" | Trim Length: 2.095"

ACCURATE 5744

300 (L)	CP	FNGC	25.0	1,351	29.5	1,538	18,489	2.510	
405 (L)	LC	FP	24.3	1,226	27.0	1,394	16,100	2.550	
420 (L)	CP	LFNGC	25.6	1,210	28.5	1,375	16,100	2.600	
460 (L)	CP	LFNGC	24.3	1,102	27.0	1,253	18,800	2.680	
460 (L)	CP	WLNGC	19.9	1,089	23.9	1,254	18,979	2.515	
500 (L)	MCB	RN	23.4	1,070	26.0	1,217	16,100	2.635	
500 (L)	MCB	RNFP	20.2	1,068	23.8	1,210	18,773	2.700	
525 (L)	MCB	SS	21.6	1,060	24.0	1,205	16,300	2.655	
535 (L)	LYMAN	457132	20.1	1,036	22.4	1,178	18,600	2.950	

45-70 GOVERNMENT STANDARD PRESSURE

APPROX. 28,000 PSI

Barrel: 24" | Twist: 1-20" | Primer: WIN WLR | Bullet Diameter: 0.458"
Case: REM | Max Case Length: 2.105" | Trim Length: 2.095"

ACCURATE 5744

250	BARNES	TSX-FB	31.9	1,556	37.5	1,851	27,659	2.490	
250	HDY	M-FLEX	29.2	1,382	35.6	1,711	27,896	2.587	
300	SIERRA	FN HP	36.7	1,712	40.8	1,874	27,200	2.550	

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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45-70 GOVERNMENT STANDARD PRESSURE

APPROX. 28,000 PSI (continued)

ACCURATE 5744 (continued)

300 (L)	CP	FNGC	30.0	1,561	36.2	1,822	27,754	2.510	
325	HDY	FTX	29.0	1,423	34.1	1,672	27,648	2.590	
350	HDY	RN	33.8	1,529	37.5	1,676	27,700	2.550	
400	BARNES	BSTR	24.1	1,158	29.4	1,399	27,470	2.500	
400	SPEER	FNSP	29.7	1,460	33.0	1,610	27,800	2.540	
405 (L)	LC	FP	30.6	1,468	34.0	1,600	27,800	2.550	
420 (L)	CP	LFNGC	29.3	1,401	32.5	1,538	27,000	2.550	
440 (L)	CP	LFNGC	28.1	1,362	31.2	1,490	27,600	2.550	
460 (L)	CP	WFNGC	27.5	1,321	30.5	1,444	27,200	2.550	
460 (L)	CP	WLNGC	23.9	1,253	28.8	1,452	27,313	2.515	
500 (L)	LC	FP	25.2	1,265	28.0	1,400	27,900	2.550	
500 (L)	MCB	RNFP	23.9	1,213	28.4	1,393	27,434	2.700	

ACCURATE LT-30

250	BARNES	TSX-FB	44.3	1,771	52.1	2,069	27,483	2.490	C
250	HDY	M-FLEX	33.6	1,501	39.6	1,711	27,947	2.587	
300	NOSLER	PART	36.8	1,584	43.2	1,816	27,913	2.510	
300	SIERRA	FN HP	44.3	1,758	52.1	2,018	27,984	2.525	
300 (L)	CP	FNGC	42.9	1,792	50.5	2,035	27,671	2.510	
325	HDY	FTX	40.8	1,611	48.0	1,879	27,473	2.590	C
350	HDY	RN	37.0	1,478	43.5	1,702	27,419	2.550	
400	BARNES	BSTR	30.0	1,260	34.5	1,412	27,577	2.500	
400	BARNES	FN-O	32.4	1,334	38.1	1,535	27,853	2.515	
405 (L)	CP	WLNGC	34.5	1,497	42.1	1,732	27,254	2.550	
420 (L)	CP	WLNGC	34.1	1,460	41.1	1,683	27,316	2.550	
473	LHG	SLD	30.0	1,174	33.4	1,295	27,586	2.850	
500 (L)	MCB	RNFP	30.7	1,352	34.9	1,468	27,919	2.700	

ACCURATE LT-32

300	SIERRA	FN HP	47.4	1,736	57.8	2,099	27,888	2.525	C
300 (L)	CP	FNGC	43.7	1,719	54.7	2,066	27,429	2.510	C
325	HDY	FTX	40.7	1,524	49.0	1,831	25,053	2.590	C
350	HDY	RN	38.4	1,473	46.9	1,757	27,420	2.550	
400	BARNES	BSTR	30.6	1,201	37.7	1,463	27,946	2.500	
400	BARNES	FN-O	33.7	1,293	41.6	1,578	27,951	2.515	
405 (L)	CP	WLNGC	37.4	1,483	46.2	1,769	27,962	2.550	
420 (L)	CP	WLNGC	35.5	1,444	44.4	1,717	27,928	2.550	
460 (L)	CP	WLNGC	31.8	1,321	39.7	1,567	27,519	2.515	
473	LHG	SLD	29.7	1,119	33.8	1,279	27,989	2.850	
500 (L)	MCB	RNFP	31.3	1,296	37.3	1,465	27,336	2.700	

ACCURATE 2200

250	BARNES	TSX-FB	47.3	1,847	55.0	2,142	23,659	2.490	
250	HDY	M-FLEX	46.3	1,932	52.4	2,122	27,235	2.587	C
300	SIERRA	FN HP	50.5	1,931	56.1	2,115	27,777	2.525	
300 (L)	CP	FNGC	48.8	1,904	54.3	2,078	27,641	2.510	
325	HDY	FTX	45.3	1,772	50.4	1,956	27,891	2.590	
350	HDY	RN	45.4	1,758	48.3	1,858	27,863	2.550	
400	BARNES	BSTR	37.4	1,503	39.3	1,569	27,718	2.500	
400	BARNES	FN-O	40.1	1,583	42.3	1,654	27,208	2.515	
405 (L)	CP	WLNGC	44.4	1,712	46.7	1,792	27,605	2.550	
420 (L)	CP	WLNGC	41.9	1,654	44.6	1,737	27,559	2.550	
460 (L)	CP	WLNGC	37.6	1,520	40.0	1,596	27,289	2.515	
473	LHG	SLD	36.3	1,339	38.2	1,408	27,613	2.850	

ACCURATE 2015

300	HDY	HP	51.8	1,836	57.5	2,069	27,300	2.550	
300 (L)	CP	FNGC	40.7	1,615	53.6	2,002	27,737	2.510	C
325	HDY	FTX	39.2	1,504	46.1	1,757	27,841	2.590	C
350	HDY	RN	47.3	1,703	52.5	1,890	27,800	2.550	C
400	BARNES	BSTR	31.2	1,175	40.1	1,452	27,268	2.500	
400	BARNES	FN-O	33.3	1,261	42.2	1,551	27,307	2.515	
405 (L)	LC	FP	44.3	1,666	49.2	1,817	27,400	2.550	C
420 (L)	CP	LFNGC	42.6	1,584	47.3	1,763	27,400	2.550	C
440 (L)	CP	LFNGC	38.6	1,514	43.2	1,652	27,300	2.550	
460 (L)	CP	WFNGC	38.3	1,482	42.6	1,636	27,100	2.550	

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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500 (L)	LC	FP	34.7	1,350	38.5	1,510	27,900	2.550	C
500 (L)	MCB	RNFP	29.6	1,224	38.0	1,451	27,912	2.700	

RAMSHOT X-TERMINATOR

300	SIERRA	FN HP	42.0	1,740	46.0	1,900	27,800	2.550	
300 (L)	CP	FNGC	40.3	1,710	44.8	1,840	27,876	2.510	
325	HDY	FTX	37.5	1,484	41.6	1,622	27,758	2.590	
350	HDY	RN	37.7	1,487	41.8	1,626	27,649	2.550	
400	BARNES	BSTR	33.0	1,280	36.7	1,404	27,335	2.500	
400	BARNES	FN-O	34.1	1,327	37.9	1,453	27,408	2.515	
400	SPEER	FPSP	39.0	1,585	43.0	1,695	28,200	2.550	
405 (L)	CP	WLNGC	35.5	1,490	39.4	1,604	27,531	2.550	
405 (L)	LC	FP	38.6	1,550	43.2	1,694	27,500	2.550	
420 (L)	CP	LFNGC	38.0	1,523	42.2	1,646	27,400	2.550	
420 (L)	CP	WLNGC	34.7	1,447	38.6	1,560	27,276	2.550	
440 (L)	CP	LFNGC	34.5	1,437	38.3	1,553	28,000	2.550	
460 (L)	CP	WLNGC	34.4	1,404	38.2	1,511	27,300	2.550	
473	LHG	SLD	31.7	1,044	35.2	1,196	27,579	2.850	
500	HDY	RN	30.0	1,150	35.0	1,320	27,500	2.550	
500 (L)	LC	FP	33.3	1,320	37.0	1,450	27,500	2.550	

ACCURATE 2230

300	SIERRA	FN HP	42.0	1,740	46.0	1,900	27,800	2.550	
300 (L)	CP	FNGC	40.3	1,710	44.8	1,840	27,876	2.510	
325	HDY	FTX	37.5	1,484	41.6	1,622	27,758	2.590	
350	HDY	RN	37.7	1,487	41.8	1,626	27,649	2.550	
400	BARNES	BSTR	33.0	1,280	36.7	1,404	27,335	2.500	
400	BARNES	FN-O	34.1	1,327	37.9	1,453	27,408	2.515	
400	SPEER	FPSP	39.0	1,585	43.0	1,695	28,200	2.550	
405 (L)	CP	WLNGC	35.5	1,490	39.4	1,604	27,531	2.550	
405 (L)	LC	FP	38.6	1,550	43.2	1,694	27,500	2.550	
420 (L)	CP	LFNGC	38.0	1,523	42.2	1,646	27,400	2.550	
420 (L)	CP	WLNGC	34.7	1,447	38.6	1,560	27,276	2.550	
440 (L)	CP	LFNGC	34.5	1,437	38.3	1,553	28,000	2.550	
460 (L)	CP	WLNGC	34.4	1,404	38.2	1,511	27,300	2.550	
473	LHG	SLD	31.7	1,044	35.2	1,196	27,579	2.850	
500	HDY	RN	30.0	1,150	35.0	1,320	27,500	2.550	
500 (L)	LC	FP	33.3	1,320	37.0	1,450	27,500	2.550	

45-70 GOVERNMENT HIGH PRESSURE LOADS

APPROX. 40,000 PSI

Barrel: 24" | Twist: 1-20" | Primer: WIN WLR | Bullet Diameter: 0.458"
Case: REM | Max Case Length: 2.105" | Trim Length: 2.095"

ACCURATE 5744

250	BARNES	TSX-FB	37.5	1,851	44.5	2,218	38,122	2.490	
250	HDY	M-FLEX	35.6	1,711	43.0	2,094	38,099	2.587	
300	SIERRA	FN HP	43.2	1,986	48.0	2,159	38,900	2.550	
300 (L)	CP	FNGC	36.2	1,822	43.7	2,140	38,018	2.510	
325	HDY	FTX	34.1	1,672	40.4	1,977	38,134	2.590	
350	HDY	RN	39.4	1,771	43.8	1,929	38,000	2.550	
400	BARNES	BSTR	29.4	1,399	35.9	1,696	37,955	2.500	
400	BARNES	FN-O	36.9	1,620	41.0	1,787	38,100	2.550	
405 (L)	LC	FP	36.0	1,667	40.0	1,826	38,400	2.550	
420 (L)	CP	LFNGC	35.1	1,641	39.0	1,783	38,200	2.550	
440 (L)	CP	LFNGC	32.9	1,558	36.5	1,705	38,000	2.550	
460 (L)	CP	WFNGC	32.6	1,523	36.2	1,666	38,200	2.550	
460 (L)	CP	WLNGC	28.8	1,452	35.2	1,711	38,098	2.515	
500 (L)	LC	FP	27.0	1,400	30.0	1,550	38,200	2.550	
500 (L)	MCB	RNFP	28.4	1,393	34.2	1,621	38,016	2.700	

ACCURATE LT-30

300	NOSLER	PART	43.2	1,816	54.6	2,222	39,046	2.510	C
300	SIERRA	FN HP	52.1	2,009	59.0	2,243	34,002	2.525	C
350	HDY	RN	43.5	1,702	54.0	2,067	38,043	2.550	C
400	BARNES	FN-O	38.1	1,535	47.8	1,879	39,481	2.515	C
400	BARNES	BSTR	34.5	1,414	43.0	1,710	39,408	2.500	
405 (L)	CP	WLNGC	42.1	1,732	52.5	2,056	38,620	2.550	C
420 (L)	CP	WLNGC	41.1	1,682	50.3	1,975	37,820	2.550	C

RIFLE DATA

Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (FPS)	Max Load (Grains)	Max Velocity (FPS)	Max Pressure (PSI)	COL (Inches)	Comp. Load
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45-70 GOVERNMENT HIGH PRESSURE LOADS

APPROX. 40,000 PSI (continued)

473	LHG	SLD	33.4	1,295	42.7	1,632	39,634	2.850	C
500 (L)	MCB	RNFP	34.9	1,471	42.0	1,674	39,467	2.700	

ACCURATE LT-32

400	BARNES	FN-O	41.6	1,578	52.1	1,959	39,404	2.515	C
400	BARNES	BSTR	37.7	1,463	47.8	1,834	39,543	2.500	C
405 (L)	CP	WLNGC	46.2	1,764	52.4	1,964	33,470	2.550	C
473	LHG	SLD	33.8	1,279	42.6	1,626	39,562	2.850	C
500 (L)	MCB	RNFP	37.3	1,465	46.5	1,731	39,183	2.700	C

ACCURATE 2200

300	SIERRA	FN HP	56.1	2,115	65.3	2,414	35,928	2.525	C
300 (L)	CP	FNGC	54.3	2,078	62.5	2,340	34,722	2.510	C
350	HDY	RN	48.3	1,858	58.6	2,217	39,515	2.550	C
400	BARNES	FN-O	42.3	1,654	52.2	1,986	38,788	2.515	C
400	BARNES	BSTR	39.3	1,569	50.0	1,930	39,459	2.500	C
405 (L)	CP	WLNGC	46.7	1,792	56.0	2,107	39,233	2.550	C
420 (L)	CP	WLNGC	44.6	1,737	54.4	2,046	39,544	2.550	C
460 (L)	CP	WLNGC	40.0	1,596	49.8	1,908	39,727	2.515	C
473	LHG	SLD	38.2	1,408	48.1	1,764	39,243	2.850	C

RAMSHOT X-TERMINATOR

300	SIERRA	FN HP	56.0	2,100	62.0	2,250	38,550	2.550	
300	HDY	JHP	56.0	2,092	62.2	2,275	38,200	2.550	
300 (L)	CP	FNGC	44.8	1,840	56.8	2,186	39,890	2.510	
325	HDY	FTX	41.6	1,622	53.9	2,028	38,604	2.590	C
350	HDY	RN	41.8	1,626	54.5	2,045	39,808	2.550	
400	BARNES	BSTR	36.7	1,404	47.8	1,782	39,478	2.500	
400	BARNES	FN-O	37.9	1,453	48.8	1,815	39,240	2.515	
400	BARNES	FN-O	46.8	1,745	52.0	1,865	38,300	2.550	
400	SPEER	FPSP	46.0	1,665	51.8	1,885	39,000	2.550	
405 (L)	CP	WLNGC	39.4	1,604	51.2	1,943	39,668	2.550	
405 (L)	LC	FP	48.2	1,845	53.5	1,978	38,700	2.550	
420 (L)	CP	WLNGC	38.6	1,560	50.2	1,897	39,487	2.550	
420 (L)	CP	LFNGC	46.8	1,791	52.2	1,920	37,400	2.550	
440 (L)	CP	LFNGC	42.8	1,674	47.5	1,804	38,600	2.550	
460 (L)	CP	WFNGC	42.8	1,668	47.5	1,782	37,900	2.550	
473	LHG	SLD	35.2	1,196	45.3	1,637	39,325	2.850	
500	HDY	RN	40.0	1,450	44.0	1,550	38,500	2.550	

ACCURATE 2230

300	SIERRA	FN HP	56.0	2,100	62.0	2,250	38,550	2.550	
300	HDY	JHP	56.0	2,092	62.2	2,275	38,200	2.550	
300 (L)	CP	FNGC	44.8	1,840	56.8	2,186	39,890	2.510	
325	HDY	FTX	41.6	1,622	53.9	2,028	38,604	2.590	C
350	HDY	RN	41.8	1,626	54.5	2,045	39,808	2.550	
400	BARNES	BSTR	36.7	1,404	47.8	1,782	39,478	2.500	
400	BARNES	FN-O	37.9	1,453	48.8	1,815	39,240	2.515	
400	BARNES	FN-O	46.8	1,745	52.0	1,865	38,300	2.550	C
400	SPEER	FPSP	46.0	1,665	51.8	1,885	39,000	2.550	
405 (L)	CP	WLNGC	39.4	1,604	51.2	1,943	39,668	2.550	
405 (L)	LC	FP	48.2	1,845	53.5	1,978	38,700	2.550	C
420 (L)	CP	WLNGC	38.6	1,560	50.2	1,897	39,487	2.550	
420 (L)	CP	LFNGC	46.8	1,791	52.2	1,920	37,400	2.550	C
440 (L)	CP	LFNGC	42.8	1,674	47.5	1,804	38,600	2.550	
460 (L)	CP	WFNGC	42.8	1,668	47.5	1,782	37,900	2.550	
473	LHG	SLD	35.2	1,196	45.3	1,637	39,325	2.850	
500	HDY	RN	40.0	1,450	44.0	1,550	38,500	2.550	C

458 WINCHESTER MAGNUM

Barrel: 24" | Twist: 1-14" | Primer: FED 215 | Bullet Diameter: 0.458"
Case: WIN | Max Case Length: 2.500" | Trim Length: 2.490"

ACCURATE 5744

405 (L)	CP	WLNGC	45.9	1,909	51.0	2,170	59,708	3.000	
460 (L)	CP	WFNGC	44.1	1,779	49.0	2,022	61,360	3.110	

ACCURATE 2015

300	HDY	HP	68.4	2,293	76.0	2,606	41,890	2.940	C
350	HDY	RN	67.5	2,250	75.0	2,557	52,628	2.965	C
400	BARNES	SSSP	68.4	2,172	76.0	2,468	57,584	3.140	C
500	HDY	RN	61.2	1,891	68.0	2,149	58,056	3.305	C

RAMSHOT X-TERMINATOR

350	HDY	RN	72.0	2,250	80.0	2,550	56,000	2.950	C
500	HDY	RN	65.0	1,900	72.0	2,150	57,500	3.310	

ACCURATE 2230

300	HDY	HP	70.2	2,248	78.0	2,554	39,530	2.940	
350	HDY	RN	70.2	2,211	78.0	2,512	53,218	2.965	C
400	BARNES	SSSP	72.0	2,162	80.0	2,457	53,690	3.140	C
500	HDY	RN	64.8	1,900	72.0	2,159	53,808	3.305	

ACCURATE 2460

300	HDY	HP	70.2	2,205	78.0	2,506	36,344	2.940	
350	HDY	RN	70.2	2,189	78.0	2,487	49,914	2.965	C
400	BARNES	SSSP	72.0	2,158	80.0	2,452	52,746	3.140	C
500	HDY	RN	66.6	1,929	74.0	2,192	52,864	3.305	C

458 LOTT

Barrel: 24" | Twist: 1-10" | Primer: WIN WLR | Bullet Diameter: 0.458"
Case: HDY | Max Case Length: 2.800" | Trim Length: 2.790"

ACCURATE 2230

500	HDY	RN	74.0	2,077	82.0	2,275	60,000	3.600	
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ACCURATE 2520

500	HDY	RN	77.0	2,100	86.0	2,310	61,000	3.600	
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550 MAGNUM

Barrel: 24" | Twist: 1-18" | Primer: WIN WLRM | Bullet Diameter: 0.550"
Case: JAMISON | Max Case Length: (Wildcat--Consult with Rifle Manufacturer)

ACCURATE 2015

700	BARNES	BAND-S	93.6	1,989	104.0	2,210	62,660	3.735	C
700 (L)	CP	RN FP	86.4	1,872	96.0	2,080	49,440	3.735	

RAMSHOT X-TERMINATOR

700	GSCB	FN	101.7	2,091	113.0	2,323	60,900	3.790	C
700	BARNES	BAND-S	97.2	2,060	108.0	2,289	62,320	3.735	

ACCURATE 2495

600	HAWK	RN SP	108.0	2,210	120.0	2,455	61,940	3.790	C
700	AK	SPHJ	107.1	2,061	119.0	2,290	62,310	3.780	C
700	HAWK	RN SP	98.1	1,971	109.0	2,190	64,810	3.720	
700	GSCB	FN SLD	102.6	2,041	114.0	2,268	60,480	3.790	C

RAMSHOT TAC

700	AK	SPHJ	107.1	2,051	119.0	2,279	61,620	3.780	
700	HAWK	RN SP	104.4	2,030	116.0	2,256	61,370	3.715	
700	BARNES	BAND-S	105.3	2,083	117.0	2,314	59,650	3.735	C

ACCURATE 2520

600	HAWK	RN SP	113.4	2,271	126.0	2,523	60,840	3.790	
700	HAWK	RN SP	101.7	2,005	113.0	2,228	61,410	3.715	

ACCURATE 4064

800	HAWK	RN SP	101.7	1,793	113.0	1,992	61,150	3.835	C
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RAMSHOT BIG GAME

800	HAWK	RN SP	104.4	1,863	116.0	2,070	61,150	3.835	
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REDUCED LOADS - NO OTHER LOAD RECOMMENDED

ACCURATE 5744

700 (L)	CP	RN FP	54.0	1,504			24,740	3.735	
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Shotshell Load Data

EDITION 8.0

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 and Ramshot powders. This Guide is not intended to be a reloading textbook, but rather a list of recommended loads for Accurate and Ramshot 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 these products. The ballistics data contained in this Guide was obtained at Western Powders' ballistics facilities under strictly controlled conditions and is applicable **ONLY** for Accurate and Ramshot powders. It is important to remember that equipment variations and 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 needed 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.

PRIMER WARNINGS

1. **NEVER MIX PRIMERS** of different makes.
2. Store primers in their original packaging 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.
3. **ALWAYS START LOADING WITH THE MINIMUM POWDER CHARGE SHOWN.**
4. Designate a work area to be used only for reloading and keep that area clean and orderly.
5. Label components and reloads for quick and easy identification.
6. Develop a reloading routine and follow it.
7. 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).
12. When the case fill is less than 50% extreme care should be taken to avoid the possibility of double charging. Always check every round.

NOTE: LOAD DATA IN THIS GUIDE SUPERSEDES

ALL PREVIOUS ACCURATE AND RAMSHOT LOAD DATA.

Always Use the Latest Load Data.

WESTERN
POWDERS

SHOTSHELL LOADING

By JOHAN LOUBSER, Ballistician

Background and basic Fundamentals of Shot Shell loading.

- The fundamental difference between a shotshell cartridge and a typical centre fire rifle cartridge is, that the efficiency of the shotshell cartridge is 100% dependent on the round itself. By this we mean that all the "resistive forces" must be generated within the confines of the round itself. No assistance is provided by the gun.
- The reason for this is that the Maximum Peak Pressure is reached long before the base of the shot/wad assembly has left the case. (In the case of a CF rifle cartridge, the peak pressure is achieved when the bullet is engaged, therefore the large contribution, as a result of lead/free-bore dimensions on the combustion process, (i.e. bullet/bore interface fit, bullet hardness, bearing surface etc).
- The reason for this is that the critical engraving force which is so important to the dynamic combustion process present in a CF rifle caliber is totally absent in a shotshell.
- Shotgun and typical straight-gauge handgun calibers are actually basically the same in their fundamental ratios and dynamics. A Shotgun can be described as an oversize low-pressure handgun caliber. That's why the same powders are used in shotgun and handgun calibers.
- This means that the efficiency, regarding ignition and the subsequent increase in pressure, is totally controlled by the integral configuration and assembly of the round itself. These constitute the main inertial mass (shot mass), the initial internal volume (wad design), the dynamic collapse (primary expansion) of the internal volume (collapsible section of the wad), plus the displacing of the internal assembly and the unfolding of the foil/crimp (secondary/final expansion).
- The way this COMBINATION interacts, will determine the efficiency Pressure impulse (Profile and time-base) and the Peak-pressure vs Velocity ratio (PV). The resistive force, presented by friction in a shotgun is negligible.

CRIMPING (ASSEMBLY)

- This is certainly one of the most important aspects of the Shotshell reloading process.
- The influence of crimp on the ballistics is often ignored, and assumed to be of lesser importance than primers and wad make/design.
- The fact is that the effect of Crimp-strength can totally overshadow the influence of the other components and parameters. This is controlled by the following:
 - Crimp depth:
 - Depth setting on crimping machine.
 - Condition of the case:
 - Material hardness/resilience.
 - Wad:
 - Length, Stiffness and rigidity/flexibility of collapsible section.
 - Wad Tension:
 - Pre-tension/compression setting on crimping machine.
- Some reloaders want to extend case life and they tend to crimp as shallow as possible, and with the least crimp strength possible. However, this practice can be problematic if the improper combination of primer, case, wad and powder is used. Example: If a "soft" combination is used, it can lead to underperformance, or in extreme cases bad ignition or "blowers". It is always wise to use a strong crimp as possible, for any particular load/combination.

PRIMERS

- It is well known that different primers deliver different energy levels. The way each company manufactures and formulates the chemical composition, and configures the hardware (metallic) parts of the primer, all plays a major role in how the primer will deliver the energy to the powder.
- Again, we must emphasize that it's all about the particular combination, and whether a change in primer will show a difference in ballistics.
- Shotgun primers are very sensitive to firing pin energy. This is due to the proportionally large displacement/deformation that must take place when the primer's cup is crushed.
- It is extremely difficult to pin the data down to a standard one load, where primer X will always deliver higher performances than Primer Z. We developed our loads using a standard typical primer. If all conditions are the same, the difference between primers will rarely be dangerous. It is obvious that if the load is using, is already running at the maximum level with primer X, it would be unwise to merely change the primer and continue loading. This is also true for any change in component or procedure.
- Once any component or procedure is changed, the combination will react differently. The proper way to proceed is to reduce the load by about 0.5grain to 0.7 grains, and then confirm the performance by measuring the velocity or sensing the recoil/flight time. The reloader can then adjust back to the same velocity/recoil level, by increasing or decreasing the charge mass, or by adjusting to a stiffer or softer wad or decreasing or increasing the crimp.

VOLUMETRIC LOADING/DISPENSING

- Always confirm the "thrown weight" from any bushing, bar etc on a scale.
- There are just too many variables that can influence volumetric measuring, of powder.
- These are:
 - The physical action with which the loading machine is operated.
 - The atmospheric conditions especially Relative Humidity (RH). This is especially true of single base powders which are very hygroscopic. Accurate Solo1000 is a single base powder, and Nitro 100 New Formulation and Ramshot Competition are double base powders.

RECOIL

This is certainly the most discussed aspect of the shotgun shooting sport, and this is understandably so, because it determines the "comfort" of shooting hundreds of rounds in quick succession. (See section below on "Perceived recoil" and ergonomics). Because it's such a subjective issue/subject, the conclusions and recommendations are most of the time unfortunately shrouded in confusion, and corrupted by improper comparisons.

First of all, we need to emphasize and acknowledge the following important facts:

- First, there is true recoil energy in measured Ft/lbs of the gun itself, and once the shooter becomes part of the equation, the very subjective issue of "Perceived" or "Felt" recoil.

True Recoil:

- Normal physics still do apply, and in this case Newton's Third law: For every action there is an equal and opposite reaction.

Formula: Mass of bullet + Mass of powder x Velocity (projectile) = Mass-gun x Velocity-gun.

- If different groups of ammunition, with the same shot mass are delivering the same velocity in a particular shotgun, the recoil WILL be the same.

"Perceived" or "Felt" recoil:

Ergonomics

- Because the shooter forms a part of the "launching platform", this reaction of the total platform will be as diverse as there are shooters.
- One must see the ammunition, gun and shooter as a three part "system" (Combination) forming this "launching platform". The way these three parts interact and interface, will determine "how" the recoil takes place, and how the shooter will "perceive" or "feel" "experience" the recoil. (Notice the emotional aspects)
- Since the body is the heaviest part of the total recoiling mass, which anchors the system to the ground, it has the most inertial resistance. Since the body is soft, that part of the body interfacing directly with the shotgun, will absorb the energy long before the body starts moving (displacing). Thus the maximum absorption takes place in the few inches of muscle and tissue directly behind the butt.
- That's why sometimes small and minute differences in gun design, hold/stance and balance will lessen the effects of recoil, and this will eventually directly determine the level of bruising/pain/impairment, and as such the endurance of the shooter. This endurance-threshold will directly impact the shooter's abilities to remain focused and accurate.
- This "endurance-threshold" is different for each shooter, and are determined by various aspects of the individual's body structure re muscle, developed muscle (training), body weight and length (tall = usually flexible, absorb energy better, softer/feel, or short stocky = rigid hard recoil. The psychological make-up/preparedness (training) must also be considered.
- Apart from the above aspects, every person has a natural pain-threshold (nerves), and some will be able to endure more than others, before it will start affecting their shooting discipline and results.

AMMUNITION

- As can be seen from the formula pressure is not part of the equation. Therefore the "peak" value published in load guides does not really mean anything. However, Ammunition can be assembled (combination) to deliver similar velocities = true recoil, with a pressure impulse which can be slightly altered, having the same total impulse, but over a slightly longer time base. These changes can then be perceived as being "softer". However, we must again stress the fact that the comparison must always be fair and clinical (applies with applies) re velocity. A proper average can really only be determined over a 10 and 20 round test, fired at different times, and days, to include day to day variation etc.
- This can be achieved by altering any one of the components in the above ammunition "subsystem", which comprises of the primer, case/hull, wad, powder/burn-rate and the weight of the shot.
- This effect is the result of the combination and never one of the components only. This can only be properly done by thorough experimentation with different primers, cases, crimp assembly methodology (see section below), wad design's /make, wad tension (assembly), and the weight the shot.

MEASURING VELOCITY

POINTS TO REMEMBER WHEN LOADS ARE COMPARED.

The importance of measuring the velocity.

- Do not assume the velocity for your conditions is the same as the published data, even if you are duplicating the exact same combination re components i.e. the case/hull, powder type, powder charge, shot weight etc as recommended by any load guide.
- This real difference can only be determined by actually measuring the velocity, for the conditions, components and weapon system as used by the reloader/shooter.
- When loads are compared and the level of "perceived-recoil" has been determined for a particular shooter, have the velocity measured to confirm that the softer load are actually not merely a slower velocity. Since the formula for Kinetic Energy is half the mass x velocity squared, the shooter will detect a difference in recoil within a few feet per second. Especially the seasoned professional shooters that have developed an above average sensitivity and ability to sense variations between "loads."



RAMSHOT COMPETITION - WINCHESTER - WAA - HS (2 PIECE) HULLS

Shot	Wad	Prim	1050	1100	1125	1150	1175	1200	1225	1250	1275	1300	1325	1350	1375	1400	1425	1450								
wf			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi								
7/8	WAA-12L	Win																								
7/8	WAA-12L	Rem																								
7/8	WAA-12L	Che																								
1	DRR8	Win																								
1	DR-XL-1	Win																								
1	DR-XL-1	Rem																								
1	DR-XL-1	Che																								
1	DR-XL-1	CCI	13.1	7.186	14.6	7.892	15.4	8.245	16.1	8.598	16.9	8.951	17.6	9.304	18.4	9.657	19.1	10.010	19.9	10.364	20.7	10.717	21.5	11.070	22.2	11.423
1	DR-XL-1	Fed	14.0	7.710	15.3	8.417	16.0	8.771	16.7	9.124	17.2	9.478	17.7	9.831	18.3	10.185	18.9	10.538	19.6	10.892	20.2	11.245	20.8	11.598		
1	DR-XL-1	Win																								
1	DR-XL-1	Rem																								
1	DR-XL-1	Che																								
1	DR-XL-1	CCI	15.1	6.852	15.7	7.370	16.3	7.888	16.9	8.406	17.5	8.923	18.1	9.441	18.7	9.959	19.3	10.477	19.9	10.995						
1	DR-XL-1	Fed	15.1	6.832	15.7	7.426	16.3	7.944	16.9	8.462	17.1	8.980	17.5	9.500	18.1	10.018	18.5	10.536	19.1	11.054						
1	DRA-12	Win																								
1	DRA-12	Rem																								
1	DRA-12	Che																								
1	DRA-12	CCI	14.4	6.291	15.1	6.852	15.8	7.413	16.5	7.974	17.2	8.535	17.9	9.096	18.5	9.657	19.2	10.218	19.9	10.779	20.6	11.340				
1	DRA-12	Fed	15.2	6.842	15.8	7.366	16.3	7.880	16.9	8.354	17.5	8.857	18.1	9.361	18.6	9.864	19.2	10.368	19.7	10.871	20.3	11.375				
1	DRA-12	Win																								
1	WAA-12SL	Win																								
1	WAA-12SL	Rem																								
1	WAA-12SL	Che																								
1	WAA-12SL	CCI	15.3	6.565	15.9	7.153	16.5	7.740	17.1	8.327	17.7	8.914	18.3	9.502	18.8	10.089	19.4	10.677	20.0	11.264						
1	CB-1100-12	Win																								
1	CB-1100-12	Rem																								
1	CB-1100-12	Che																								
1	CB-1100-12	CCI	15.0	6.648	15.7	7.123	16.3	7.597	17.0	8.072	17.6	8.546	18.3	9.020	18.9	9.494	19.6	9.969	20.2	10.443	20.2	10.918	21.5	11.392		
1	WJH-12100	Win																								
1	WJH-12100	Rem																								
1	WJH-12100	Che																								
1	WJH-12100	CCI	15.4	6.000	16.0	6.568	16.6	7.135	17.1	7.703	17.6	8.270	18.2	8.838	18.8	9.405	19.4	9.973	19.9	10.540	20.5	11.108				
1	Rem-1G1	Win																								
1	Rem-1G1	Rem																								
1	Rem-1G1	Che	13.5	6.052	14.8	7.009	15.5	7.488	16.1	7.966	16.8	8.444	17.4	8.922	18.1	9.401	18.7	9.879	19.4	10.358	20.0	10.836	20.7	11.315		
1	Rem-1G1	CCI	15.3	6.517	15.9	7.130	16.4	7.743	17.0	8.356	17.5	8.969	18.1	9.582	18.6	10.195	19.2	10.808	19.7	11.421						
1	CB-8100-12	Win																								
1	CB-8100-12	Rem																								
1	CB-8100-12	Che																								
1	CB-8100-12	CCI	15.2	6.613	15.8	7.142	16.4	7.671	17.0	8.199	17.6	8.726	18.2	9.256	18.8	9.786	19.4	10.315	19.4	10.844	20.6	11.373				
1	CB-4100-12-B	Win																								
1	CB-4100-12-B	Rem																								
1	CB-4100-12-B	Che																								
1	CB-4100-12-B	CCI	14.6	6.980	15.3	7.455	16.0	7.930	16.7	8.405	17.3	8.879	18.0	9.354	18.7	9.829	19.4	10.304	20.0	10.779	20.7	11.254				
1	Green Duster	Win																								
1	Green Duster	Rem																								
1	Green Duster	Che																								
1	Green Duster	CCI	14.8	8.418	15.5	8.833	16.0	9.248	16.8	9.663	17.4	10.078	18.1	10.494	18.9	10.909	19.4	11.324								
1	WAA-12SL	Fed	13.8	6.563	15.0	7.480	16.2	8.398	16.8	9.316	17.5	9.816	18.0	10.233	19.3	10.692	19.9	11.151								
1	Rem-1G1	Fed	15.4	7.053	16.0	7.542	16.5	8.037	17.0	8.522	17.5	9.016	18.0	9.509	18.5	10.002	18.5	10.494	19.0	10.987	20.5	11.480				
1	WJH-12100	Fed	15.1	6.739	15.7	7.247	16.3	7.755	16.8	8.263	17.4	8.771	18.1	9.280	18.7	9.788	19.3	10.297	19.9	10.805	20.5	11.313				
1	CB-1100-12	Fed	15.4	7.035	16.0	7.542	16.5	8.048	17.1	8.555	17.7	9.061	18.3	9.568	18.8	10.074	19.4	10.581	19.9	11.088						
1	CB-8100-12	Fed	15.2	7.259	15.8	7.822	16.4	8.385	17.0	8.949	17.6	9.512	18.2	10.075	18.8	10.638	19.4	11.202								



RAMSHOT COMPETITION - WINCHESTER - WAA - HS (2 PIECE) HULLS (continued)

Shot wt	Wad	Prim	1050	1100	1125	1150	1175	1200	1225	1250	1275	1300	1325	1350	1375	1400	1425	1450		
			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi		
1	CB-4100-12-B	Fed	13.7	5,964	15.0	7,174	15.6	7,779	16.2	8,384	16.8	8,990	17.4	9,595	18.0	10,200	18.6	10,805		
	Green Dueter	Fed	13.8	7,045	15.0	8,056	15.7	8,562	16.3	9,067	16.9	9,573	17.5	10,078	18.1	10,583	18.7	11,088		
1	DR-B-XL-1	Win	15.1	6,240	15.7	6,768	16.3	7,295	16.9	7,823	17.5	8,350	18.1	8,878	18.7	9,405	19.3	9,933	21.2	11,500
1	DR-B-XL-1	Rem	15.6	6,167	16.2	6,736	16.7	7,304	17.3	7,872	17.9	8,440	18.5	9,009	19.1	9,577	19.7	10,146	20.3	10,714
1	DR-B-XL-1	Ched	14.8	6,496	15.4	7,086	16.0	7,675	16.6	8,264	17.3	8,853	17.9	9,443	18.5	10,032	19.1	10,622	19.7	11,211
1/8	WAA-12	Win	13.4	6,576	14.7	7,516	15.3	7,986	15.9	8,456	16.6	8,927	17.2	9,397	17.8	9,867	18.4	10,337	19.1	10,807
1/8	WAA-12	Ched	15.2	7,526	16.3	8,298	17.5	10,069	18.6	11,341										
1/8	CB3118-12AR	Win	16.0	7,503	17.0	8,855	17.5	9,531	18.0	10,207	18.6	10,854	19.1	11,500						
1/8	CB-3118-12A	Win	14.8	8,234	16.1	9,442	16.8	10,046	17.4	10,649	18.1	11,253								
1/8	DR-Versatile	Win	15.2	7,016	16.3	8,211	16.9	8,809	17.4	9,407	18.0	10,005	18.5	10,603	19.1	11,201				
1/8	WAA-12	Rem	14.6	7,535	15.8	9,040	16.4	9,793	17.0	10,546										
1/8	WAA-12	Ched	14.3	8,681	15.6	9,890	16.3	10,494	16.9	11,098										
1/8	WAA-12	CCI	14.6	7,647	15.9	8,858	16.5	9,464	17.1	10,069	17.7	10,674	18.3	11,279						
1/8	Rem Fig 8	Win	15.6	7,471	16.6	8,744	17.1	9,381	17.6	10,017	18.2	10,653	18.7	11,289						
1/8	Rem Fig 8	Rem	15.4	7,282	16.6	8,534	17.2	9,161	17.7	9,787	18.3	10,413	18.9	11,039						
1/8	Rem Fig 8	Ched	15.1	8,221	16.2	9,386	16.8	9,969	17.3	10,551	17.8	11,134								
1/8	Rem Fig 8	CCI	15.4	7,745	16.6	8,824	17.2	9,364	17.8	9,903	18.4	10,443	19.0	10,983						
1/8	Rem RXP-12	Win	14.9	8,197	16.1	9,867	16.7	10,684	17.2	11,500										
1/8	Rem RXP-12	Win	15.4	7,980	16.5	9,231	17.1	9,856	17.6	10,481	18.2	11,107								
1/8	Rem RXP-12	Win	15.1	8,264	16.2	9,522	16.8	10,151	17.4	10,780										
1/8	Rem RXP-12	Ched	15.0	7,931	16.2	9,304	16.9	9,991	17.5	10,678										
1/8	Rem RXP-12	CCI	15.4	7,389	16.5	8,719	17.1	9,385	17.7	10,050	18.3	10,716	18.9	11,381						
1/8	Rem RXP-12	Rem	15.0	7,963	16.4	8,956	17.1	9,453	17.7	9,949	18.4	10,446	19.0	10,942	19.7	11,439				
1/8	DR-XL-1	Win	15.3	6,786	16.6	8,074	17.2	8,719	17.8	9,363	18.5	10,008	19.1	10,652	19.8	11,297				
1/8	DR-XL-1	Rem	14.0	7,849	15.6	8,847	16.5	9,346	17.3	9,845	18.1	10,344	18.9	10,843	19.7	11,342				
1/8	DR-XL-1	Ched	14.8	7,757	16.0	8,965	16.7	9,569	17.3	10,173	18.0	10,777	18.6	11,381						
1/8	DR-XL-1	CCI	14.6	7,957	15.9	9,051	16.5	9,598	17.1	10,145	17.8	10,693	18.4	11,240						
1/8	DR-F8	Win	15.6	7,396	16.6	8,518	17.2	9,079	17.7	9,640	18.3	10,201	18.8	10,762	19.4	11,324				
1/8	DR-F8	Rem	15.3	7,271	16.4	8,655	17.0	9,347	17.6	10,039	18.2	10,731	18.7	11,423						
1/8	DR-F8	Ched	14.9	8,289	16.1	9,493	16.7	10,095	17.3	10,696	17.9	11,298								
1/8	DR-F8	CCI	14.9	7,462	16.3	8,783	17.0	9,444	17.6	10,104	18.3	10,765	19.0	11,425						
1/8	DRRT	Win	15.5	7,798	16.6	8,914	17.2	9,472	17.7	10,029	18.3	10,587	18.8	11,145						
1/8	DRRT	Rem	15.2	8,087	16.4	9,168	17.0	9,709	17.5	10,249	18.1	10,789	18.6	11,329						
1/8	DRRT	Ched	15.1	8,410	16.2	9,599	16.7	10,194	17.2	10,788	17.8	11,358								
1/8	DRRT	CCI	15.7	7,812	16.8	8,981	17.3	9,566	17.8	10,150	18.3	10,735	18.8	11,320						
1/8	DRRA-12	Win	15.2	7,994	16.4	8,691	17.1	9,059	17.7	9,427	18.3	9,796	18.9	10,164	19.6	10,533	20.2	10,901	20.8	11,270
1/8	DRRA-12	Rem	15.6	7,270	16.7	8,505	17.3	9,122	17.8	9,739	18.4	10,357	18.9	10,974						
1/8	DRRA-12	Ched	14.4	8,289	15.7	9,250	16.4	9,731	17.0	10,211	17.7	10,691	18.3	11,171						
1/8	DRRA-12	CCI	14.9	8,540	16.1	9,587	16.8	10,110	17.4	10,633	18.0	11,157								
1/8	DRRA-12	Fed2009	15.4	8,617	16.6	9,572	17.2	10,050	17.8	10,528	18.5	11,006	19.1	11,483						
1/8	DR-Versatile	Rem	14.4	8,309	15.8	9,378	16.5	9,913	17.1	10,447	17.8	10,974	18.5	11,500						
1/8	DR-Versatile	Ched	14.4	9,084	15.7	10,096	16.3	10,601	16.9	11,106										
1/8	DR-Versatile	CCI	15.3	7,722	16.5	9,195	17.1	9,931	17.7	10,667										
1/8	DR-WJ-RPL	Win	15.8	6,676	16.9	7,991	17.5	8,649	18.0	9,307	18.5	9,965	19.0	10,623	19.6	11,281				
1/8	DR-WJ-RPL	Rem	15.2	7,448	16.5	8,589	17.1	9,160	17.7	9,730	18.4	10,301	19.0	10,871						
1/8	DR-WJ-RPL	Ched	15.2	8,173	16.3	9,199	16.9	9,712	17.4	10,225	18.0	10,738	18.5	11,251						
1/8	DR-WJ-RPL	CCI	14.8	8,605	16.1	9,541	16.8	10,009	17.4	10,476	18.1	10,944	18.7	11,412						



RAMSHOT COMPETITION - REMINGTON STS - HULLS (continued)

Shot wt	Wad	Prim	1050		1125		1150		1175		1250		1275		1325		1350		1375		1425		1450			
			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi
1	G-4100-12-B	Fed			15.8	7,317	16.3	7,891	16.9	8,466	18.1	9,615	18.7	10,189	19.3	10,764										
1	Green Duster	Fed	14.2	6,869	16.0	8,466	16.5	8,998	17.1	9,530	18.3	10,594	18.8	11,126												
1	DR-B-XL-1	Win			16.1	6,794	16.6	7,346	17.2	7,898	18.3	9,003	18.8	9,555	19.3	10,108	20.4	11,212								
1	DR-B-XL-1	Rem					16.4	6,826	17.0	7,462	18.3	8,734	18.9	9,369	19.5	10,005	20.8	11,277								
1	DR-B-XL-1	Ched			15.4	7,600	16.0	8,207	16.7	8,814	17.9	10,029	18.5	10,636	19.1	11,243										
1	DR-B-XL-1	CCI	13.6	6,455	15.5	8,047	16.1	8,577	16.7	9,108	18.0	10,169	18.6	10,699	19.3	11,230										
1/18	Rem Fig 8	Win	15.3	7,855	17.0	9,770	17.5	10,408	18.1	11,047																
1/18	BD-61-9118-12	Win	15.2	8,416	16.9	9,961	17.5	10,475	18.1	10,988																
1/18	DR-WJ-RLP	Rem	15.2	7,084	16.9	8,905	17.5	9,511	18.1	10,118																
1/18	Rem-RXP-12	Win	15.2	7,977	16.9	9,975	17.5	10,640	18.1	11,306																
1/18	WAA-12	Win	15.3	7,472	16.9	9,390	17.4	10,029	18.0	10,669																
1/18	WAA-12	Rem	14.9	7,476	16.5	9,836	17.0	10,622																		
1/18	WAA-12	Ched	14.2	8,758	16.1	10,801	16.7	11,482																		
1/18	WAA-12	CCI	14.7	7,917	16.5	9,682	17.1	10,270	17.7	10,859																
1/18	Rem Fig 8	Win	15.4	7,837	16.9	9,817	17.4	10,476	18.0	11,136																
1/18	Rem Fig 8	Rem	15.0	8,019	16.7	9,992	17.3	10,649	17.9	11,307																
1/18	Rem Fig 8	Ched	14.7	8,639	16.4	10,796	16.9	11,500																		
1/18	Rem Fig 8	CCI	15.4	7,890	17.1	9,632	17.6	10,212	18.2	10,793																
1/18	Rem RXP-12	Ched	14.7	9,176	16.5	10,931	17.0	11,500																		
1/18	Rem RXP-12	CCI	14.8	8,775	16.7	10,439	17.3	10,994																		
1/18	Rem RXP-12	Rem	15.3	8,353	16.8	9,945	17.3	10,475	17.8	11,006																
1/18	DR-XL-1	Win			17.0	8,278	17.6	9,059	18.2	9,840																
1/18	DR-XL-1	Rem	14.6	7,206	16.6	9,122	17.2	9,761	17.9	10,400																
1/18	DR-XL-1	Ched	14.7	8,557	16.4	10,156	17.0	10,689	17.6	11,207																
1/18	DR-XL-1	CCI	14.8	8,589	16.7	10,223	17.3	10,767	17.9	11,311																
1/18	DR-F8	Win	15.7	7,172	17.2	9,089	17.7	9,728	18.2	10,367																
1/18	DR-F8	Rem	15.3	7,324	17.0	9,317	17.5	9,981	18.1	10,646																
1/18	DR-F8	Ched	14.9	8,213	16.6	10,131	17.1	10,770																		
1/18	DR-F8	CCI	15.4	7,476	17.0	9,662	17.5	10,390	18.1	11,119																
1/18	DRRT	Win	15.1	5,787	16.9	8,532	17.5	9,447	18.1	10,362																
1/18	DRRT	Rem	15.4	7,710	17.0	9,659	17.5	10,308	18.0	10,958																
1/18	DRRT	Ched	15.2	8,325	16.8	10,276	17.3	10,926																		
1/18	DRRT	CCI	15.3	7,998	17.1	9,827	17.6	10,437	18.2	11,047																
1/18	DRA-12	Win	15.2	7,833	17.0	9,731	17.6	10,364	18.2	10,997																
1/18	DRA-12	Rem	15.2	7,670	16.9	9,774	17.4	10,475	18.0	11,176																
1/18	DRA-12	Ched	14.5	8,656	16.3	10,456	16.9	11,055																		
1/18	DRA-12	CCI	15.0	9,175	16.8	10,895	17.3	11,468																		
1/18	DRA-12	Fed209	15.1	9,078	16.8	10,838	17.3	11,424																		
1/18	DR-Versatile	Win	15.2	6,988	16.9	8,959	17.4	9,615	18.0	10,272																
1/18	DR-Versatile	Rem	14.6	7,712	16.5	9,597	17.1	10,225	17.7	10,854																
1/18	DR-Versatile	Ched	14.1	8,257	16.2	10,469	16.9	11,206																		
1/18	DR-Versatile	CCI	14.7	8,276	16.6	10,394	17.2	11,100																		
1/18	DR-WJ-RPL	Win	15.4	7,080	17.1	9,060	17.7	9,719	18.3	10,379																
1/18	DR-WJ-RPL	Rem	15.7	7,152	17.1	9,159	17.6	9,828	18.1	10,498																
1/18	DR-WJ-RPL	Ched	15.1	8,297	16.8	9,815	17.3	10,321	17.9	10,827																
1/18	DR-WJ-RPL	CCI	14.7	8,978	16.7	10,309	17.4	10,752	18.1	11,196																

RAMSHOT COMPETITION - FIOCCHI - HULLS (continued)

Shot wt	Wad	Prim	1050		1100		1125		1150		1175		1200		1225		1250		1275		1300		1325		1350		1375		1400		1425		1450					
			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi				
11/8	DRA-12	Rem	14.8	6,434	16.3	7,696	17.0	8,326	17.7	8,956	18.5	9,588	19.2	10,220	20.0	10,851	20.7	11,481																				
11/8	DRA-12	Ched	15.2	7,493	16.5	8,484	17.2	8,980	17.8	9,476	18.5	9,972	19.1	10,467	19.8	10,963	20.4	11,458																				
11/8	DRA-12	CCI	15.5	6,674	16.8	7,928	17.5	8,555	18.1	9,181	18.8	9,808	19.4	10,435	20.1	11,062																						
11/8	DR-Versatile	Fed	15.3	7,358	16.6	8,563	17.3	9,166	17.9	9,768	18.6	10,371	19.3	10,973																								
11/8	DR-Versatile	Win	15.9	5,481	17.2	6,805	17.8	7,467	18.4	8,129	19.1	8,791	19.7	9,453	20.3	10,115	20.9	10,777																				
11/8	DR-Versatile	Rem	15.9	6,020	17.1	7,352	17.7	8,018	18.3	8,683	18.9	9,349	19.4	10,015	20.0	10,681	20.6	11,346																				
11/8	DR-Versatile	Ched	15.6	7,008	16.8	8,244	17.4	8,862	18.0	9,479	18.6	10,097	19.2	10,715	19.9	11,333																						
11/8	DR-Versatile	CCI	15.7	6,293	16.9	7,591	17.5	8,240	18.1	8,889	18.7	9,538	19.3	10,187	19.9	10,837	20.5	11,486																				
11/8	DR-WJ-RPL	Win	15.7	6,271	16.9	7,469	17.5	8,068	18.1	8,667	18.7	9,266	19.3	9,865	19.9	10,464	20.5	11,063																				
11/8	DR-WJ-RPL	Rem	16.0	5,832	17.1	7,237	17.7	7,940	18.2	8,642	18.7	9,344	19.2	10,046	19.8	10,749	20.3	11,451																				
11/8	DR-WJ-RPL	Ched	14.6	8,326	16.1	8,911	16.9	9,204	17.7	9,496	18.5	9,788	19.2	10,080	20.0	10,373	20.7	10,665	21.5	10,958	22.2	11,250																
11/8	DR-WJ-RPL	CCI	15.9	8,845	17.1	9,522	17.7	9,860	18.3	10,198	18.9	10,536	19.5	10,874	20.1	11,187	20.6	11,500																				

SHOTSHELL SUPERIORITY

Clean • Low Recoil • Consistent



RAMSHOT



The New Standard.

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ACCURATE NITRO 100 NEW FORMULATION - REMINGTON STS HULLS

Shot wt	Wad	Prim	1050	1100	1125	1150	1175	1200	1225	1250	1275	1300	1325	1350	1375	1400	1425	1450
			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi
7/8	WAA-12L	Win	15.9	7,207	16.5	7,652	17.1	8,096	17.7	8,541	18.2	8,986	18.8	9,431	19.4	9,876	20.0	10,321
7/8	WAA-12SL	Win	15.9	7,560	16.4	8,001	16.9	8,443	17.4	8,884	17.9	9,326	18.4	9,767	18.9	10,209	19.4	10,650
7/8	Rem-IGT	Win	16.4	7,362	16.8	7,768	17.2	8,175	17.6	8,581	18.1	8,987	18.5	9,393	18.9	9,800	19.3	10,206
7/8	DR-XL-1	Win	15.4	7,607	16.0	8,109	16.6	8,612	17.2	9,114	17.7	9,617	18.3	10,120	18.9	10,622	19.4	11,125
7/8	DR-XXL	Win	15.9	6,616	16.5	7,118	17.0	7,621	17.6	8,124	18.2	8,627	18.7	9,130	19.3	9,633	19.9	10,136
7/8	WAA-12L	Rem	16.1	7,280	16.7	7,731	17.2	8,182	17.7	8,633	18.3	9,084	18.8	9,535	19.4	9,986	19.9	10,437
7/8	DRA-12	Win	15.8	8,300	16.3	8,724	16.8	9,148	17.3	9,572	17.9	9,996	18.4	10,420	18.9	10,844	19.4	11,268
7/8	CB-8100-12	Win	16.1	7,528	16.7	8,045	17.3	8,562	17.8	9,080	18.4	9,597	19.0	10,114	19.6	10,631	20.2	11,148
7/8	CB-4100-12B	Win	16.1	6,164	16.6	6,646	17.1	7,129	17.7	7,611	18.2	8,093	18.8	8,575	19.3	9,058	19.8	9,540
7/8	CB-0178-12	Rem	15.8	6,396	16.4	6,843	16.9	7,290	17.5	7,736	18.0	8,183	18.6	8,629	19.1	9,076	19.7	9,523
7/8	DRA-12	Rem	15.1	7,709	15.7	8,172	16.3	8,635	16.9	9,098	17.5	9,561	18.0	10,024	18.6	10,487	19.2	10,950
7/8	DR-XXL	Rem	16.2	8,176	16.8	8,607	17.5	9,038	18.2	9,469	18.8	9,900	19.5	10,331	20.2	10,762	20.4	10,888
7/8	DR-XL-1	Rem	15.6	8,421	16.3	8,926	17.0	9,432	17.7	9,938	18.4	10,444	19.1	10,950	19.8	11,456		
7/8	Rem-IGT	Rem	16.6	7,485	17.1	8,136	17.7	8,788	18.3	9,439	18.8	10,090	19.4	10,742	20.0	11,393		
7/8	WAA-12SL	Rem	16.0	8,989	16.7	9,387	17.3	9,784	18.0	10,181	18.7	10,579	19.4	10,976	20.0	11,374		
7/8	CB-8100-12	Win	16.2	7,378	16.7	7,905	17.3	8,431	17.9	8,957	18.4	9,484	19.0	10,010	19.5	10,537	20.1	11,063
7/8	CB-4100-12B	Win	16.6	6,432	17.2	6,955	17.7	7,478	18.2	8,000	18.8	8,523	19.3	9,046	19.9	9,568	20.4	10,091
7/8	WAA-12L	CCI	15.8	7,019	16.4	7,543	17.0	8,068	17.6	8,592	18.2	9,116	18.8	9,640	19.4	10,165	20.0	10,689
7/8	GreenDuster	Win	16.0	8,367	16.5	8,868	17.0	9,368	17.5	9,869	18.0	10,370	18.5	10,870	19.0	11,371		
7/8	RemIGT	CCI	16.1	6,852	16.6	7,421	17.1	7,990	17.6	8,559	18.2	9,129	18.7	9,698	19.2	10,267		
7/8	DR-XL-1	CCI	16.0	8,497	16.5	8,945	17.0	9,392	17.5	9,839	18.0	10,286	18.5	10,734	19.0	11,181		
7/8	DR-XXL	CCI	16.7	6,270	17.2	6,768	17.7	7,266	18.2	7,764	18.7	8,262	19.2	8,760	19.8	9,258	20.3	9,756
7/8	DRA-12	CCI	15.8	7,706	16.5	8,187	17.1	8,667	17.8	9,148	18.4	9,629	19.1	10,110	19.7	10,590	20.4	11,071
7/8	CB-0178-12	CCI	15.6	6,654	16.3	7,064	17.0	7,474	17.6	7,884	18.3	8,294	19.0	8,704	19.6	9,114	20.3	9,523
7/8	CB-8100-12	CCI	16.0	6,812	16.6	7,354	17.2	7,896	17.9	8,438	18.5	8,980	19.1	9,522	19.7	10,064	20.4	10,606
7/8	CB-4100-12	CCI	16.8	6,182	17.3	6,602	17.8	7,022	18.3	7,442	18.9	7,862	19.4	8,282	19.9	8,702	20.4	9,122
7/8	Green Duster	CCI	15.4	8,302	16.0	8,797	16.6	9,292	17.2	9,787	17.8	10,283	18.3	10,778	18.9	11,273		
7/8	DR-XL-1	Win	15.3	7,561	15.8	8,150	16.4	8,739	17.0	9,328	17.6	9,917	18.2	10,505	18.7	11,094		
7/8	WJL-12100	Win	15.7	7,060	16.3	7,548	16.9	8,036	17.5	8,524	18.0	9,012	18.6	9,500	19.2	9,988	19.8	10,476
7/8	WhiteDuster	Win	16.0	7,538	16.6	8,025	17.1	8,511	17.7	8,998	18.2	9,485	18.8	9,971	19.4	10,458	19.9	10,945
7/8	DR-XL-1	Win	15.2	8,045	15.8	8,558	16.4	9,071	16.9	9,584	17.5	10,097	18.1	10,610	18.7	11,123		
7/8	WJL-12100	Rem	15.4	6,925	16.2	7,406	16.9	7,888	17.7	8,370	18.3	8,852	19.3	9,332	20.0	9,815		
7/8	WhiteDuster	Rem	14.8	8,197	15.4	8,677	16.0	9,157	16.7	9,637	17.3	10,116	18.0	10,596	18.6	11,076		
7/8	DR-XL-1	CCI	15.4	7,239	16.0	7,864	16.5	8,488	17.1	9,112	17.7	9,736	18.2	10,360	18.8	10,985		
7/8	WJL-12100	CCI	16.0	6,621	16.6	7,290	17.2	7,958	17.7	8,626	18.3	9,294	18.9	9,963	19.5	10,631	20.0	11,299
7/8	WhiteDuster	CCI	15.3	7,297	15.9	7,814	16.5	8,331	17.2	8,848	17.8	9,365	18.4	9,882	19.0	10,399	19.6	10,915
7/8	CB-4100-12B	Rem	16.0	6,512	16.6	7,147	17.2	7,782	17.7	8,417	18.3	9,052	18.9	9,687	19.5	10,322	20.0	10,957
7/8	Green Duster	Rem	15.1	8,007	15.7	8,718	16.2	9,429	16.7	10,139	17.2	10,850	17.8	11,500				
7/8	CB-0178-12	Win	16.2	6,468	16.8	6,935	17.3	7,401	17.8	7,867	18.3	8,333	18.9	8,799	19.4	9,265	19.9	9,731
7/8	Rem-IGT	Ched	15.6	7,828	16.1	8,370	16.6	8,911	17.1	9,453	17.6	9,995	18.1	10,537	18.5	11,079		
7/8	WAA-12L	Ched	15.7	7,534	16.3	8,043	16.8	8,552	17.4	9,062	17.9	9,571	18.5	10,080	19.0	10,589	19.6	11,098
7/8	DR-XL-1	Ched	15.3	8,551	15.8	9,006	16.4	9,461	16.9	9,916	17.4	10,371	17.9	10,826	18.4	11,281		
7/8	DRA-12	Ched	15.0	8,326	15.6	8,791	16.2	9,256	16.7	9,720	17.3	10,185	17.9	10,650	18.5	11,115		
7/8	DR-XL-1	Ched	15.6	6,632	16.1	7,133	16.6	7,646	17.1	8,159	17.6	8,672	18.1	9,185	18.6	9,699	19.1	10,212
7/8	WJL-12100	Ched	15.6	6,652	16.1	7,213	16.6	7,775	17.2	8,336	17.7	8,897	18.3	9,458	18.8	10,019	19.4	10,580
7/8	DR-XXL	Ched	15.9	6,623	16.5	7,167	17.0	7,710	17.6	8,254	18.1	8,797	18.7	9,341	19.2	9,884	19.7	10,427
7/8	CB-0178-12	Ched	15.9	6,660	16.5	7,118	17.0	7,575	17.5	8,033	18.0	8,490	18.6	8,948	19.1	9,405	19.6	9,863
7/8	CB-4100-12B	Ched	15.5	7,061	16.1	7,590	16.6	8,119	17.2	8,648	17.8	9,177	18.3	9,706	18.9	10,235	19.5	10,764
7/8	CB-8100-12	Ched	15.8	6,618	16.4	7,072	16.9	7,525	17.5	7,979	18.0	8,432	18.6	8,885	19.2	9,339	19.7	9,792
7/8	Green Duster	Ched	15.2	9,191	15.7	9,593	16.3	9,995	16.8	10,397	17.4	10,799	17.9	11,202				
7/8	WhiteDuster	Ched	15.2	7,693	15.8	8,132	16.4	8,570	17.1	9,009	17.7	9,448	18.4	9,887	19.0	10,325	19.6	10,764
7/8	WAA-12SL	Fed	15.7	8,077	16.2	8,623	16.7	9,170	17.1	9,717	17.6	10,264	18.1	10,811	18.6	11,357		
7/8	WAA-12L	Fed	16.0	7,345	16.5	7,907	17.0	8,469	17.5	9,031	18.0	9,593	18.5	10,155	19.0	10,717	19.5	11,279

ACCURATE NITRO 100 NEW FORMULATION - WINCHESTER - WAA - HS (2 PIECE)

Shot wt	Wad	Prim	1050 grs Psi	1100 grs Psi	1125 grs Psi	1150 grs Psi	1175 grs Psi	1200 grs Psi	1225 grs Psi	1250 grs Psi	1275 grs Psi	1300 grs Psi	1325 grs Psi	1350 grs Psi	1375 grs Psi	1400 grs Psi	1425 grs Psi	1450 grs Psi
7/8	WAA-12L	Win																
7/8	WAA-12SL	Win																
7/8	Rem-IGT	Win																
7/8	DR-XL-1	Win																
7/8	DR-XXL	Win																
7/8	CB-0178-12	Win																
7/8	CB-4100-12B	Win																
7/8	GreenDuster	Win																
7/8	WAA-12L	Rem																
7/8	WAA-12SL	Rem																
7/8	Rem-IGT	Rem																
7/8	WAA-12L	Rem																
7/8	DR-XXL	Rem																
7/8	GreenDuster	Rem																
7/8	DRA-12	Rem																
7/8	CB-0178-12	Rem																
7/8	CB-8100-12	Rem																
7/8	DRA-12	Win																
7/8	CB-8100-12	Win																
7/8	WAA-12L	CCI																
7/8	WAA-12SL	CCI																
7/8	Rem-IGT	CCI																
7/8	DR-XXL-1	CCI																
7/8	DRA-12	CCI																
7/8	DR-XXL	CCI																
7/8	CB-0178-12	CCI																
7/8	CB-8100-12	CCI																
7/8	CB-4100-12B	CCI																
7/8	GreenDuster	CCI																
7/8	WAA-12L	CCI																
7/8	WAA-12SL	CCI																
7/8	DR-XL-1	Rem																
7/8	DR-XL-1	Win																
7/8	WhiteDuster	Win																
7/8	DR-XL-1	Rem																
7/8	WhiteDuster	Rem																
7/8	WJII-12100	Rem																
7/8	CB-4100-12B	Rem																
7/8	WhiteDuster	Rem																
7/8	DR-XL-1	CCI																
7/8	WJII-12100	CCI																
7/8	WhiteDuster	CCI																
7/8	WAA-12L	Ched																
7/8	WAA-12SL	Ched																
7/8	Rem-IGT	Ched																
7/8	DR-XL-1	Ched																
7/8	DR-XXL	Ched																
7/8	DRA-12	Ched																
7/8	DR-XL-1	Ched																
7/8	WJII-12100	Ched																
7/8	CB-0178-12	Ched																
7/8	CB-8100-12	Ched																

ACCURATE NITRO 100 NEW FORMULATION - WINCHESTER - WAA - HS (2 PIECE) (continued)

Shot wt	Wad	Prim	1075		1100		1125		1150		1175		1200		1225		1250		1275		1300		1325		1350		1375		1400		1425		1450			
			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi		
11/8	WAA-12	Win	15.0	9,038	15.6	9,806	16.2	10,575	16.7	11,344																										
11/8	Rem-Fig8	Win	15.1	9,243	15.7	9,953	16.2	10,663	16.8	11,373																										
11/8	Rem-RXP	Win	15.1	9,763	15.7	10,370	16.2	10,978																												
11/8	Rem-12-H	Win	15.4	9,499	15.9	10,144	16.4	10,788	16.8	11,432																										
11/8	DR-12-L	Win	14.7	8,912	15.3	9,632	16.0	10,352	16.6	11,072																										
11/8	DRA-12	Win	14.7	9,276	15.4	9,998	16.0	10,720	16.6	11,442																										
11/8	CB-4100-12-B	Win	15.1	8,621	15.8	9,345	16.4	10,068	17.1	10,792	17.8	11,500																								

ACCURATE NITRO 100 NEW FORMULATION - FEDERAL - GOLD MEDAL HULLS

Shot wt	Wad	Prim	1075		1100		1125		1150		1175		1200		1225		1250		1275		1300		1325		1350		1375		1400		1425		1450				
			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi			
11/8	CB-6100-12	Fed	15.6	7,156	16.4	7,916	17.1	8,676	17.9	9,436	18.6	10,196	19.3	10,956																							
11/8	CB-6118-12	CCI	15.5	7,315	16.3	8,075	17.2	8,835	18.0	9,595	18.8	10,355	19.6	11,115																							
11/8	CB-3118-12AR	CCI	15.6	7,189	16.4	7,949	17.2	8,709	18.0	9,469	18.8	10,229	19.6	10,989																							
11/8	CB-2118-12	CCI	15.8	6,466	16.4	7,558	17.1	8,650	17.8	9,742	18.5	10,834																									
11/8	CB-2100-12	CCI	16.2	6,234	16.7	7,176	17.2	8,118	17.7	9,060	18.2	10,002	18.7	10,944																							
11/8	FED-53	Win	14.9	7,209	15.7	8,182	16.4	9,156	17.1	10,130	17.9	11,104																									
11/8	CB-6118-12	Win	15.2	7,236	15.8	7,952	16.5	8,668	17.1	9,384	17.8	10,099	18.5	10,815	19.1	11,500																					
11/8	CB-3118-12AR	Win	15.8	7,870	16.3	8,629	16.8	9,387	17.4	10,145	17.9	10,904																									
11/8	CB-2118-12	Win	15.2	6,953	15.8	7,764	16.5	8,576	17.1	9,387	17.8	10,198	18.4	11,009																							
11/8	CB-2100-12	Win	16.4	6,597	17.0	7,438	17.6	8,279	18.2	9,120	18.8	9,961	19.4	10,802																							
11/8	FED-53	Rem	14.9	7,162	15.6	8,276	16.2	9,391	16.8	10,505																											
11/8	CB-6118-12	Rem	15.4	8,326	16.0	9,082	16.6	9,839	17.1	10,596	17.7	11,353																									
11/8	CB-3118-12AR	Rem	15.1	7,855	15.7	8,767	16.2	9,679	16.8	10,590	17.3	11,500																									
11/8	CB-2118-12	Rem	15.4	8,337	15.9	9,194	16.4	10,051	16.9	10,908																											
11/8	CB-2100-12	Rem	16.1	7,563	16.5	8,176	17.0	8,790	17.4	9,404	17.8	10,018	18.2	10,632	18.6	11,246																					
11/8	FED-53	Ched	15.5	9,002	16.1	9,651	16.7	10,301	17.3	10,950																											
11/8	CB-6118-12	Ched	15.6	8,049	16.1	8,627	16.7	9,204	17.2	9,781	17.7	10,358	18.3	10,936	18.8	11,500																					
11/8	CB-3118-12AR	Ched	15.4	8,510	16.0	9,119	16.6	9,728	17.1	10,338	17.7	10,947	18.3	11,500																							
11/8	CB-2118-12	Ched	15.8	8,555	16.3	9,234	16.8	9,914	17.3	10,594	17.8	11,274																									
11/8	CB-2100-12	Ched	16.0	8,243	16.5	8,849	17.0	9,454	17.4	10,060	17.9	10,666	18.4	11,272																							
11/8	FED-53	Fed	15.9	8,895	16.4	9,513	17.0	10,132	17.5	10,750	18.0	11,368																									
11/8	CB-6118-12	Fed	16.0	8,108	16.5	8,609	17.0	9,110	17.5	9,611	18.1	10,112	18.6	10,613	19.1	11,114																					
11/8	CB-3118-12AR	Fed	15.6	8,442	16.2	9,013	16.7	9,583	17.2	10,153	17.7	10,723	18.3	11,293																							
11/8	CB-2118-12	Fed	16.1	8,661	16.6	9,171	17.1	9,682	17.6	10,192	18.1	10,702	18.6	11,212																							
11/8	CB-2100-12	Fed	16.4	7,588	16.9	8,151	17.4	8,715	17.9	9,278	18.3	9,842	18.8	10,405	19.3	10,969	19.8	11,500																			
1	FED-50	Fed	17.5	7,362	18.0	7,890	18.5	8,419	19.1	8,949	19.6	9,477	20.1	10,005	20.7	10,534	21.2	11,063																			

ACCURATE SOLO 1000 - REMINGTON - STS - HULLS

Shot wt	Wad	Prim	1050	1075	1100	1125	1150	1175	1200	1225	1250	1275	1300	1325	1350	1375	1400	1425	
			grs	grs	grs	grs	grs	grs	grs	grs	grs	grs	grs	grs	grs	grs	grs	grs	grs
			Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi	Psi
11/8	WAA-12SL	Win	16.7	7854	17.1	8552	17.5	9251	17.9	9949	18.3	10647							
11/8	WAA-12T	Win	16.3	7791	16.9	8381	17.5	8972	18.1	9563	18.7	10153	19.3	10744					
11/8	WAA-12	Win	16.2	7434	16.8	8115	17.4	8796	17.9	9477	18.5	10150	19.1	10839	19.6	11500			
11/8	Rem-IGT	Win	16.9	7608	17.4	8252	18.0	8895	18.5	9538	19.1	10182	19.7	10825	20.2	11468			
11/8	Rem-Fig8	Win	16.3	7547	16.9	8190	17.5	8833	18.1	9475	18.7	10118	19.4	10761	20.0	11403			
11/8	Rem-RXP	Win	16.2	8284	16.7	8976	17.2	9668	17.7	10360	18.2	11052							
11/8	DR-XL(blue)	Win	16.3	7117	16.9	7832	17.5	8547	18.0	9262	18.6	9977	19.2	10692	19.7	11407			
11/8	DRF8	Win	16.3	6885	17.0	7556	17.6	8227	18.2	8898	18.9	9568	19.5	10239	20.2	10910	20.8	11500	
11/8	DRRT	Win	16.6	7029	17.2	7735	17.7	8441	18.3	9147	18.9	9853	19.5	10559	20.0	11265			
11/8	DR-12	Win	16.4	8260	16.9	8855	17.5	9449	18.0	10043	18.5	10638	19.1	11232					
11/8	DRVersatile	Win	16.1	6620	16.7	7384	17.2	8149	17.8	8913	18.4	9678	18.9	10442	19.5	11207			
11/8	DR-WJ-RPL	Win	16.6	6231	17.2	6969	17.8	7708	18.4	8447	19.0	9185	19.5	9924	20.1	10663	20.7	11402	
11/8	CB-1100	Win	16.6	7042	17.2	7607	17.8	8172	18.3	8737	18.9	9301	19.5	9866	20.1	10431	20.7	10996	21.2
11/8	CB-0118	Win	16.6	7056	17.1	7739	17.6	8421	18.1	9103	18.6	9785	19.2	10467	19.7	11149			
11/8	CB-1118	Win	16.3	6848	16.9	7578	17.4	8307	18.0	9037	18.5	9767	19.1	10497	19.6	11226			
11/8	CB-3118	Win	16.2	7516	16.8	8170	17.4	8824	18.0	9478	18.7	10132	19.3	10786	19.9	11439			
11/8	CB-8118	Win	16.6	7861	17.1	8494	17.7	9128	18.2	9761	18.8	10394	19.4	11028					
11/8	Blue Duster	Win	16.3	8579	16.8	9211	17.3	9843	17.8	10474	18.4	11106							
11/8	WAA-12SL	Rem	16.1	6491	16.6	7266	17.2	8042	17.8	8818	18.3	9593	18.9	10369	19.4	11145			
11/8	WAA-12	Rem	15.3	6639	16.0	7473	16.6	8308	17.3	9142	18.0	9976	18.6	10810					
11/8	WAA-12T	Rem	16.1	7051	16.5	7728	16.9	8404	17.3	9081	17.7	9757	18.1	10434	18.5	11111			
11/8	Rem-IGT	Rem	15.0	6491	16.3	7227	17.0	7963	17.6	8698	18.3	9434	18.9	10170	19.6	10906	20.3	11500	
11/8	Rem-Fig8	Rem	16.5	6774	17.0	7468	17.6	8161	18.1	8854	18.7	9548	19.2	10241	19.7	10935	20.3	11500	
11/8	Rem-RXP	Rem	15.4	6368	16.1	7249	16.7	8131	17.4	9013	18.1	9894	18.8	10776	19.5	11500			
11/8	DR-XL-1(blue)	Rem	15.7	6503	16.3	7289	16.9	8076	17.5	8863	18.1	9649	18.7	10436	19.3	11223			
11/8	DRF8	Rem	16.5	7175	17.0	7799	17.5	8423	18.0	9046	18.6	9670	19.1	10293	19.6	10917	20.2	11500	
11/8	DR-12	Rem	15.0	6864	15.8	7553	16.6	8243	17.4	8932	18.2	9622	19.0	10312					
11/8	DRVersatile	Rem	16.6	7378	17.0	8108	17.5	8837	18.0	9567	18.5	10296	18.4	10926	18.8	11026			
11/8	DR-WJ-RPL	Rem	16.2	6649	16.8	7378	17.4	8065	18.0	8787	18.6	9568	19.2	10320	19.8	11072	20.4	10824	21.0
11/8	CB-1100	Rem	17.1	6358	17.7	7027	18.2	7786	18.8	8500	19.4	9214	19.9	9928	20.5	10643			
11/8	CB-0118	Rem	16.8	7047	17.4	7798	17.9	8550	18.5	9301	19.1	10053	19.7	10804	20.2	11500			
11/8	CB-1118	Rem	16.7	7799	17.3	8436	18.0	9074	18.6	9712	19.2	10349	19.8	10987	20.5	11500			
11/8	CB-3118	Rem	16.9	7813	17.4	8434	17.9	9055	18.4	9676	18.9	10298	19.4	10919	19.9	11500			
11/8	CB-8118	Rem	15.6	8566	16.2	9065	16.8	9565	17.3	10064	17.9	10563	18.5	11062	19.1	11500			
11/8	Blue Duster-G19118	Rem	15.1	9130	15.7	9570	16.4	10009	17.0	10448	17.6	10888	18.3	11327					
11/8	WAA-12SL	CCI	16.0	6287	16.5	6997	16.9	7707	17.4	8417	17.9	9127	18.3	9837	18.8	10547	19.2	11257	
11/8	WAA-12L	CCI	14.8	6085	15.4	6975	16.0	7865	16.6	8755	17.3	9645	17.9	10536	18.5	11426			
11/8	WAA-12	CCI	15.0	7230	15.6	8119	16.2	9008	16.8	9897	17.4	10786	18.0	11500					
11/8	WAA-12T	CCI	15.0	7387	15.6	8199	16.3	9012	16.9	9824	17.5	10637	18.2	11449					
11/8	Rem-Fig8	CCI	15.4	7845	16.0	8539	16.6	9234	17.2	9929	17.8	10623	18.4	11318					
11/8	Rem-RXP	CCI	15.7	7758	16.2	8442	16.8	9126	17.4	9810	18.0	10494	18.5	11178					
11/8	Rem-IGT	CCI	15.8	7977	16.4	8515	17.0	9053	17.5	9591	18.1	10129	18.7	10667	19.3	11205			
11/8	DRRT	CCI	15.6	8822	16.2	9220	16.8	9618	17.4	10016	18.1	10415	18.7	10813	19.3	11211			
11/8	DRRT	CCI	16.2	6805	16.7	7484	17.2	8163	17.8	8842	18.3	9521	18.8	10200	19.3	10879	19.9	11500	
11/8	DR-XL-1	CCI	15.7	7423	16.3	8096	16.8	8769	17.4	9442	18.0	10115	18.6	10787	19.1	11460			
11/8	WAA-12	CCI	15.3	7848	15.9	8518	16.5	9188	17.0	9857	17.6	10527	18.2	11197					
11/8	DRF8	CCI	16.0	6691	16.5	7433	17.1	8176	17.6	8919	18.2	9661	18.7	10404	19.3	11147			
11/8	DR-12	CCI	15.6	7902	16.2	8614	16.8	9325	17.4	10037	18.0	10748	18.6	11459					
11/8	DRVersatile	CCI	15.3	7722	15.9	8417	16.5	9112	17.1	9806	17.8	10501	18.4	11196					
11/8	DR-WJ-RPL	CCI	15.7	6791	16.3	7431	16.9	8072	17.4	8712	18.0	9353	18.5	9993	19.1	10634	19.7	11274	
11/8	WAA-12SL	Ched	15.6	6988	16.1	7692	16.7	8395	17.3	9098	17.9	9801	18.5	10504	19.0	11207			
11/8	WAA-12	Ched	15.4	6885	16.0	7600	16.6	8315	17.2	9030	17.7	9745	18.3	10460	18.9	11175			
11/8	WAA-12T	Ched	15.2	6660	15.8	7406	16.4	8152	17.0	8898	17.6	9645	18.2	10391	18.8	11137			

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ACCURATE SOLO 1000 - REMINGTON - STS - HULLS (continued)

Shot wt	Wad	Prim	1050 grs Psi	1075 grs Psi	1100 grs Psi	1125 grs Psi	1150 grs Psi	1175 grs Psi	1200 grs Psi	1225 grs Psi	1250 grs Psi	1275 grs Psi	1300 grs Psi	1325 grs Psi	1350 grs Psi	1375 grs Psi	1400 grs Psi	1425 grs Psi	
1/8	Rem-Fig8	Ched	15.4 7032	16.1 7710	16.7 8387	17.3 9065	17.9 9743	18.6 10420	19.2 11098										
1/8	Rem-RXP	Ched	15.6 7343	16.2 7901	16.8 8459	17.3 9017	17.9 9574	18.4 10132	19.0 10690										
1/8	DR-XL-1	Ched	15.4 6980	16.0 7713	16.6 8446	17.2 9179	17.8 9912	18.4 10645	19.1 11379			19.6 11247							
1/8	DRF8	Ched	15.7 7416	16.3 8141	16.8 8866	17.4 9591	18.0 10316	18.5 11041											
1/8	DRA-12	Ched	15.3 7806	16.0 8496	16.6 9186	17.2 9876	17.8 10566	18.4 11256											
1/8	DR Versatile	Ched	15.0 7869	15.7 8454	16.3 9039	17.0 9624	17.6 10209	18.3 10794	18.9 11379										
1/8	DR-WJ-RPL	Ched	15.8 6493	16.4 7148	16.9 7803	17.5 8458	18.0 9113	18.6 9768	19.2 10423			19.7 11078							
1/8	CB-1100	Ched	16.2 7037	16.7 7698	17.2 8360	17.7 9021	18.2 9682	18.7 10344	19.2 11005			19.7 11500							
1/8	CB-0118	Ched	15.3 7117	15.9 7799	16.5 8482	17.1 9165	17.7 9847	18.3 10530	18.9 11212										
1/8	CB-1118	Ched	15.6 7159	16.2 7832	16.7 8505	17.3 9179	17.8 9852	18.4 10525	18.9 11198										
1/8	CB-3118	Ched	15.8 7155	16.3 7867	16.9 8578	17.4 9290	18.0 10002	18.5 10713	19.1 11425										
1/8	CB-8118	Ched	15.7 7941	16.3 8579	16.8 9216	17.4 9854	17.9 10492	18.5 11129	19.0 11500										
1	WAA-12L	Win					18.1 6848	18.6 7557	19.1 8266	19.7 8975	20.2 9684	20.7 10393	21.2 11102						
1	RemIGT	Win					17.9 7531	18.4 8079	18.9 8625	19.5 9172	20.0 9718	20.6 10265	21.1 10812						
1	RemFig8	Win					17.7 7338	18.3 7952	18.9 8567	19.4 9182	20.0 9796	20.6 10411	21.2 11026						
1	RemRXP	Win					17.8 8230	18.4 8754	18.9 9277	19.4 9800	19.9 10323	20.5 10847	21.0 11370						
1	DR-XL	Win					17.5 7925	18.0 8504	18.6 9082	19.2 9661	19.8 10239	20.3 10818	20.9 11397						
1	DRF8	Win					17.7 6863	18.3 7497	18.8 8131	19.4 8764	20.0 9398	20.6 10032	21.2 10666	21.8 11299					
1	DRRT	Win					17.7 7092	18.3 7714	18.9 8335	19.5 8956	20.1 9577	20.7 10199	21.3 10820	21.9 11441					
1	WJ11-12100	Win					18.2 6699	18.7 7268	19.3 7836	19.8 8405	20.4 8973	21.0 9542	21.5 10110	22.1 10679					
1	CB-0178	Win					18.2 6756	18.7 7310	19.2 7864	19.8 8418	20.3 8972	20.8 9526	21.3 10080	21.9 10635	22.4 11189				
1	CB-1100	Win					18.7 6436	19.2 7009	19.7 7583	20.2 8156	20.7 8730	21.2 9303	21.7 9876	22.2 10450	22.7 11023				
1	CB-0118	Win					17.5 7327	18.1 7904	18.7 8482	19.3 9059	19.9 9636	20.5 10214	21.1 10791	21.7 11369					
1	CB-1118	Win					17.7 7101	18.2 7710	18.8 8319	19.3 8928	19.9 9537	20.4 10146	21.0 10755	21.5 11363					
1	CB-3118-A	Win					17.3 7408	17.9 7968	18.6 8528	19.2 9088	19.9 9649	20.5 10209	21.2 10769	21.8 11330					
1	CB-8118	Win					17.6 7617	18.2 8185	18.9 8752	19.5 9319	20.1 9887	20.7 10454	21.3 11022	21.9 11500					
1	CB-4100-B	Win					18.0 6156	18.6 6797	19.2 7439	19.8 8080	20.4 8722	21.0 9363	21.6 10004	22.2 10646	22.8 11287				
1	WhiteDuster	Win					17.9 6675	18.5 7359	19.2 8044	19.8 8728	20.4 9413	21.0 10097	21.6 10782	22.2 11466					
1	GreenDuster	Win					17.7 7455	18.3 8121	18.8 8788	19.4 9454	19.9 10121	20.4 10787	21.0 11453						
1	BlueDuster	Win					17.1 8666	17.7 9360	18.2 9853	18.8 10446	19.3 11040								
7/8	RemIGT	Win								17.6 6191	18.2 6837	18.8 7483	19.4 8129	20.0 8775	20.6 9422	21.2 10068	21.8 10714	22.4 11360	
7/8	WJ11-12100	Win										18.6 6180	19.3 6747	20.0 7315	20.7 7882	21.4 8449	22.1 9017	22.8 9584	
7/8	CB-0178	Win																	

ACCURATE SOLO 1000 - WAA - HS - HULLS

Shot wt	Wad	Prim	1050 grs Psi	1075 grs Psi	1100 grs Psi	1125 grs Psi	1150 grs Psi	1175 grs Psi	1200 grs Psi	1225 grs Psi	1250 grs Psi	1275 grs Psi	1300 grs Psi	1325 grs Psi	1350 grs Psi	1375 grs Psi	1400 grs Psi	1425 grs Psi	
1/8	WAA12SL	Win	16.3 7393	16.9 8143	17.5 8893	18.1 9642	18.6 10392	19.2 11142											
1/8	WAA12	Win	16.0 7309	16.6 8033	17.2 8756	17.7 9480	18.3 10204	18.9 10923											
1/8	WAA12T	Win	16.0 7463	16.6 8130	17.2 8797	17.8 9464	18.4 10131	18.9 10789	19.5 11465										
1/8	RemFig8	Win	16.4 7349	17.0 7997	17.5 8646	18.1 9294	18.7 9943	19.3 10592	19.9 11240										
1/8	RemRXP	Win	16.4 7666	17.0 8366	17.5 9066	18.1 9767	18.7 10467	19.3 11167											
1/8	DR-XL	Win	16.0 7337	16.6 7967	17.2 8597	17.8 9227	18.5 9857	19.1 10487	19.7 11117										
1/8	DRF8	Win	16.7 7976	17.2 8642	17.7 9307	18.1 9973	18.6 10639	19.0 11305											
1/8	DRRT	Win	16.4 8206	16.9 8697	17.4 9188	17.9 9680	18.4 10171	18.9 10662	19.5 11153										
1/8	DRA-12	Win	16.3 8101	16.9 8658	17.5 9215	18.0 9772	18.6 10329	19.1 10885	19.7 11442										
1/8	DR Versatile	Win	15.7 7299	16.3 7972	17.0 8645	17.6 9319	18.3 9992	18.9 10665	19.6 11338										
1/8	DR WJ-RPL	Win	15.8 7306	16.5 7848	17.2 8390	17.9 8932	18.7 9474	19.4 10016	20.1 10558	20.8 11100									
1/8	WJ1-12118	Win	16.3 7879	16.9 8431	17.5 8983	18.1 9535	18.6 10088	19.2 10640	19.8 11192										
1/8	CB-1100	Win	15.1 8040	15.9 8581	16.7 9122	17.5 9662	18.3 10203	19.1 10743	19.9 11284										

(continued on next page)



ACCURATE SOLO 1000 - WAA - HS - HULLS (continued)

Shot wt	Wad	Prim	1050		1075		1100		1125		1150		1175		1200		1225		1250		1275		1300		1325		1350		1375		1400		1425			
			grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi	grs	Psi		
11/8	CB-0118	Win	16.2	7841	16.8	8478	17.3	9115	17.9	9752	18.5	10389	19.1	11026																						
11/8	CB-1118	Win	16.2	7586	16.8	8180	17.4	8774	18.1	9368	18.7	9962	19.3	10556	19.9	11150																				
11/8	CB-8118	Win	16.3	7985	16.9	8617	17.5	9249	18.1	9881	18.7	10512	19.3	11144																						
11/8	CB-3118-12A	Win	16.5	7651	17.0	8282	17.6	8914	18.1	9545	18.6	10177	19.2	10808	19.7	11439																				
11/8	Blue-Duster	Win	16.2	8126	16.7	8878	17.3	9631	17.8	10384	18.3	11137																								
11/8	WAA-12SL	Rem	15.7	8203	16.2	8961	16.7	9719	17.2	10477	17.7	11235																								
11/8	WAA-12	Rem	15.2	7996	15.8	8738	16.4	9480	17.0	10222	17.6	10964																								
11/8	WAA-12T	Rem	15.4	8067	16.0	8854	16.6	9641	17.2	10428	17.7	11215																								
11/8	Rem-Fig8	Rem	15.8	8287	16.4	9015	17.0	9744	17.5	10473	18.1	11201																								
11/8	RXP-12	Rem	15.9	8152	16.5	8836	17.1	9520	17.7	10203	18.2	10887	18.8	11500																						
11/8	DR-XL	Rem	15.7	7638	16.2	8390	16.8	9141	17.4	9893	18.0	10645																								
11/8	DRF8	Rem	15.6	7640	16.1	8324	16.7	9008	17.2	9692	17.7	10376	18.2	11060																						
11/8	DR-12	Rem	15.7	7730	16.3	8417	16.8	9103	17.4	9790	17.9	10476	18.5	11163																						
11/8	DRVersatile	Rem	15.7	7757	16.2	8497	16.8	9237	17.3	9977	17.9	10717	18.4	11457																						
11/8	DRWJ-RPL	Rem	15.9	7291	16.5	7886	17.2	8481	17.8	9075	18.4	9670	19.0	10264	19.6	10859	20.2	11453																		
11/8	WJ-12118	Rem	16.1	7101	16.5	7728	17.0	8354	17.5	8981	17.9	9608	18.4	10235	18.8	10861	19.3	11488																		
11/8	CB-1100	Rem	15.9	6885	16.5	7632	17.0	8380	17.6	9127	18.1	9875	18.7	10622	19.2	11370																				
11/8	CB-0118	Rem	15.7	7066	16.2	7831	16.8	8596	17.4	9361	18.0	10126	18.6	10891																						
11/8	CB-1118	Rem	15.1	7209	15.8	7950	16.6	8690	17.3	9431	18.0	10172	18.7	10913																						
11/8	CB-3118	Rem	16.1	7480	16.6	8118	17.1	8756	17.6	9394	18.2	10033	18.7	10671	19.2	11309																				
11/8	CB-8118	Rem	15.8	7914	16.5	8526	17.1	9138	17.7	9750	18.3	10363	19.0	10976	19.6	11500																				
11/8	Blue-Duster	Rem	15.8	7711	16.3	8477	16.9	9242	17.5	10008	18.1	10774	18.7	11500																						
11/8	WAA-12	CCI	14.6	6131	15.3	7073	16.0	8015	16.6	8957	17.3	9898	18.0	10840																						
11/8	WAA-WT	CCI	15.0	7255	15.6	7990	16.3	8724	16.9	9459	17.5	10194	18.2	10929	18.8	11500																				
11/8	Rem-Fig8	CCI	15.8	7342	16.3	8009	16.9	8676	17.5	9343	18.1	10010	18.6	10677	19.2	11344																				
11/8	Rem-RXP	CCI	15.7	7298	16.3	8065	16.8	8831	17.4	9598	18.0	10365	18.5	11131																						
11/8	DR-XL-1	CCI	15.7	7402	16.3	7953	16.9	8505	17.4	9057	18.0	9609	18.5	10161	19.1	10713	19.7	11265																		
11/8	DRF8	CCI	15.6	6542	16.2	7378	16.8	8213	17.4	9049	18.0	9884	18.6	10720	19.2	11500																				
11/8	DRS-12	CCI	15.4	7201	16.1	7878	16.7	8556	17.4	9234	18.0	9912	18.7	10590	19.3	11268																				
11/8	DRVersatile	CCI	14.9	7165	15.6	7926	16.3	8688	17.0	9449	17.7	10211	18.4	10972	19.1	11500																				
11/8	DRWJ-RPL	CCI	15.4	6996	16.0	7660	16.7	8324	17.3	8988	18.0	9652	18.6	10316	19.3	10980	19.9	11500																		
11/8	WAA-12SL	Ched	15.5	7441	16.1	8079	16.6	8718	17.2	9356	17.8	9995	18.4	10633	18.9	11272																				
11/8	WAA-12	Ched	14.8	6800	15.5	7514	16.2	8228	16.8	8942	17.5	9656	18.2	10370	18.9	11084																				
11/8	WAA-12T	Ched	15.1	7467	15.7	8061	16.4	8656	17.0	9251	17.6	9846	18.2	10440	18.9	11035	19.5	11500																		
11/8	DRF8	Ched	14.9	6640	15.5	7362	16.2	8084	16.9	8806	17.5	9528	18.2	10250	18.9	10972	19.5	11500																		
11/8	Rem-RXP	Ched	15.3	6906	15.9	7520	16.5	8133	17.1	8747	17.7	9361	18.3	9975	18.9	10588	19.5	11202																		
11/8	DR-XL-1	Ched	15.5	7268	16.0	7897	16.6	8527	17.2	9156	17.7	9786	18.3	10415	18.9	11044	19.5	11500																		
11/8	DRF8	Ched	15.2	7416	15.8	8051	16.5	8686	17.1	9320	17.7	9955	18.4	10590	19.0	11225																				
11/8	DR-12	Ched	14.7	7265	15.4	7972	16.0	8679	16.7	9386	17.4	10093	18.0	10801	18.7	11500																				
11/8	DRVersatile	Ched	14.8	7347	15.5	8057	16.1	8767	16.8	9477	17.4	10187	18.0	10897	18.7	11500																				
11/8	DRWJ-RPL	Ched	15.6	7002	16.2	7584	16.7	8167	17.3	8750	17.9	9333	18.5	9916	19.1	10498	19.7	11081	20.2	11500																
11/8	CB-1100	Ched	15.6	6791	16.2	7498	16.7	8205	17.3	8912	17.9	9619	18.4	10326	19.0	11033	19.5	11500																		
11/8	CB-0118	Ched	15.0	7129	15.6	7804	16.3	8480	16.9	9156	17.6	9831	18.2	10507	18.9	11183																				
11/8	CB-1118	Ched	15.4	7084	16.0	7740	16.6	8395	17.2	9051	17.8	9708	18.4	10362	19.0	11077	19.6	11500																		
11/8	CB-3118	Ched	15.6	7412	16.2	8142	16.8	8813	17.3	9484	17.9	10155	18.5	10826	19.1	11497																				
11/8	CB-8118	Ched	15.8	8094	16.4	8662	16.9	9231	17.4	9800	18.0	10369	18.5	10938	19.0	11500																				

TRUST THE

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THEIR THERE IS.

INTRODUCING
A BRAND NEW LOOK FOR THE
PREMIUM SHOOTING &
GUN CARE PRODUCTS
YOU KNOW AND LOVE

WESTERN — POWDERS —



WESTERNPOWDERS.COM

RECALL NOTICE: ACCURATE POWDERS

General Dynamics Ordnance and Tactical Systems Canada Valleyfield, Inc (GD-OTS), has determined a potential defect relating to certain lots of Accurate 2495, 4064 and 4350 propellants manufactured for Western Powders, Inc. prior to October 1, 2016 and packaged under the Accurate brand name in 1 lb. and 8 lb. canisters, may be defective.

The use or storage of this product may result in combustion, fire damage and/or possible serious injury or property damage. Some signs of degradation include, but are not limited to, container lid deformation, discoloration of the containers in the lid area, presence of red fumes when the container lid is opened, or the presence of a strong acidic odor.

GD-OTS and Western Powders, Inc. are recalling the following powders packaged under the Accurate brand in 1 lb. and 8 lb. containers:



Lots Affected:
2 through 16



Lots Affected:
2 through 17



Lots Affected:
2 through 22

What you should do:

- 1) Immediately fill the container with water, which will render the product inert and safe for disposal.
- 2) Notify Western Powders, Inc. at 406-234-0422, or customerservice@westernpowders.com. We will provide you with instructions to photograph the bottle showing the lot number and provide refund information.
- 3) DO NOT load ammunition with affected powder.

NOTE: This recall does not extend to loaded ammunition. Performance of ammunition with propellant showing no signs of degradation will not be altered, provided recommended storage conditions are followed. It is recommended that loaded ammunition be checked regularly for deterioration.

Safety is our first concern. If you have any questions regarding this recall, contact us at 406-234-0422



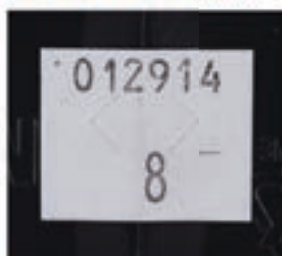
The Lot Number is located either in a box on the back of the label:



04 27 12 4
Month Day Year Lot #

OR

as a sticker on the bottom of the container.

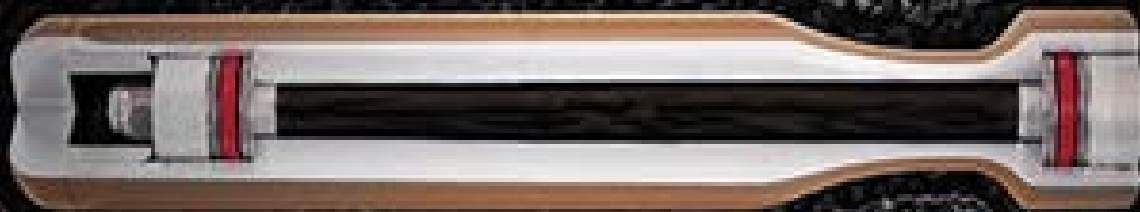


01 29 14 8
Month Day Year Lot #





THE
NEW
STANDARD



THRUST BEARING TECHNOLOGY - THE HIGHEST GRADE SPRING STEEL - MACHINED ALUMINUM HANDLE - PROPRIETARY NON-ENVELOPING COATING

ABSOLUTELY THE BEST
CLEANING ROD ON THE MARKET.

**WESTERN
POWDERS**



POWDER

MONTANAXXTREME.COM

THE NEW STANDARD



GUIDELINES FOR PROPER
GUN CLEANING

INSTRUCTIONAL GUIDE

HERE'S WHAT ONE OF THE
TOP SHOOTERS IN THE
COUNTRY HAS TO SAY...

For years after I cleaned my rifle I would shoot another group to 'foul' the bore before putting my rifle away. I did this because I found the first shot after cleaning often would not predictably shoot to the same 'zero,' and the first group after cleaning would not be as good as later groups. I have found a solution to both problems: Montana X-Treme Bore Conditioner. To use it, I clean as I always did, but now rather than firing a fouling group after cleaning, I use two patches with Bore Conditioner followed by a group of dry patches. The first shot is right where it should be, and the groups are tight from the start. I now have absolute confidence in the first shot. I save time, ammo, and avoid unnecessary bore wear. Plus I gain confidence in knowing my bore is clean and will place the first shot right where the rifle is zeroed. ***THIS STUFF REALLY WORKS.***

— JEFF HOFFMAN
OWNER, BLACK HILLS AMMUNITION (RAPID CITY, SOUTH DAKOTA)

SUPERIOR GUN CARE
PRODUCTS FOR THE
SPORTSMAN WHO
WANTS IT DONE RIGHT.



WESTERNPOWDERS.COM

RECOMMENDED CLEANING PROCEDURES

MONTANA X-TREME GUN OIL AND GUN GREASE SHOULD BE USED WHERE APPLICABLE ON FRICTION PARTS.

GENERAL FIREARMS CLEANING

- 1) Soak a suitably sized patch in Bore Solvent and mount on a jag.
- 2) From the receiver end and preferably through a bore guide, push the patch through the bore, allowing the patch to fall off as it exits the barrel. Repeat with a new wet patch.
- 3) Soak a nylon brush in Bore Solvent and work the brush through the bore approximately 20 times.
- 4) Repeat Steps 1 and 2 with two patches of Bore Solvent. If fouling is still present, repeat step 3. If copper deposits are still visible, apply a liberal amount of Copper Cream to a tight-fitting patch and work through the bore several times followed by a wet patch of Bore Solvent.
- 5) When satisfied the bore is clean, run two dry patches through the bore.
- 6) To further protect the bore and reduce fouling and copper buildup, add a small amount of Bore Conditioner to a patch and run it through the bore two times. Ensure that you do not leave a heavy amount of Bore Conditioner Oil in the barrel.
- 7) Use Bore Solvent to clean actions and fouled surfaces.
- 8) Use Gun Grease as needed on friction parts.
- 9) Use Gun Oil as needed.

REMOVING HEAVY COPPER DEPOSITS

- 1) Soak a suitably sized patch in Copper Killer and mount on a jag.
- 2) From the receiver end and preferably through a bore guide, push the patch through the bore, allowing the patch to fall off as it exits the barrel. Repeat with a new wet patch.
- 3) Soak a nylon brush in Copper Killer and work the brush through the bore approximately 20 times.
- 4) Soak a patch in Copper Killer and run through the bore one time.
- 5) Apply a liberal amount of Copper Cream to a tight-fitting patch and work back and forth through the bore five or six times.
- 6) Wet a patch with Copper Killer and run through the bore. Repeat this step. If copper is still present, repeat Steps 5 and 6 until copper fouling is removed to your satisfaction. For extremely difficult copper deposits, run a wet patch of Copper Killer through the bore (at Step 4) and allow to "soak" for 30 minutes before proceeding. Note: Copper Killer will not damage the barrel and additional "soaking" time is not harmful.
- 7) When fouling is removed to your satisfaction, run two dry patches through the bore.
- 8) To further protect against fouling and copper buildup, add a small amount of Bore Conditioner Oil to a patch and run through the bore two times. Ensure that you do not leave a heavy amount of Bore Conditioner Oil in the barrel.

PROBLEM BARRELS WITH EXCESSIVE FOULING, RUST OR HEAVY ABUSE

- 1) Soak a suitably sized patch in Copper Killer and mount on a jag.
- 2) From the receiver end and preferably through a bore guide, push the patch through the bore, allowing the patch to fall off as it exits the barrel. Repeat with a new wet patch.
- 3) Soak a nylon brush in Copper Killer and work the brush through the bore approximately 20 times.
- 4) Soak a patch in Copper Killer and run through the bore one time.
- 5) Apply a liberal amount of Bore Polish and Cleaning Compound to a tight-fitting patch and work back and forth through the bore five or six times.
- 6) Wet a patch with Copper Killer and run through the bore. Repeat this step. If copper is still present, repeat Steps 4 and 5 until fouling is removed to your satisfaction. For extremely difficult fouling or copper deposits, run a wet patch of Copper Killer through the bore (at Step 4) and allow to "soak" for 30 minutes before proceeding. Note: Copper Killer will not damage the barrel and additional "soaking" time is not harmful.
- 7) When fouling is removed to your satisfaction, run two dry patches through the bore.
- 8) To further protect against fouling and copper buildup, add a small amount of Bore Conditioner Oil to a patch and run through the bore two times. Ensure that you do not leave a heavy amount of Bore Conditioner Oil in the barrel.

PROFESSIONAL NEW BARREL BREAK-IN PROCEDURE

FIRST 10 SHOTS:

After each shot:

- 1) Use two consecutive patches of Copper Killer to wet the bore.
- 2) Wet a nylon brush with Copper Killer and scrub the bore 10 times.
- 3) Wet the bore with a patch of Copper Killer.
- 4) Saturate a patch with Copper Cream. Work back and forth in the bore five or six times.
- 5) Remove Copper Cream with consecutive patches of Copper Killer.
- 6) Finish with two consecutive dry patches. To further protect against copper buildup, add a small amount of Bore Conditioner Oil to a patch and run through the bore two times. Ensure that you do not leave a heavy amount of Bore Conditioner Oil in the barrel.

NEXT 20 SHOTS:

- 1) Repeat above procedure after five consecutive shots.

MONTANA X-TREME gun cleaning products are specifically designed to handle the toughest cleaning problems in all shooting disciplines. These advanced solvents and lubricants will reduce the time necessary to clean firearms and extend barrel life. Our wide range of products are targeted to aggressively clean guns where repetitive shooting causes hard-to-remove fouling. There are simply no better cleaning products on the market today, which is why so many of today's top shooters endorse Montana X-Treme. Montana X-Treme solvents are safe for all gun metals and bluing.

BORE SOLVENT

SPECIALLY FORMULATED FOR TODAY'S HIGH-VELOCITY FIREARMS

Montana X-Treme Bore Solvent is uniquely formulated to remove all forms of fouling in today's high velocity firearms. Many successful competitive shooters and barrel manufacturers have endorsed Montana X-Treme as the best bore cleaning product available. Recommended for general firearm cleaning. Safe for all firearm applications. Excellent for handgun applications. Safe for use on actions and bolts. Montana X-Treme Bore Solvent is completely barrel safe and can be left in the barrel overnight if desired. To ensure best results when removing copper deposits, use in combination with Montana X-Treme Copper Cream.

Available in 20 oz. and 6 oz. bottles



COPPER CREAM

SPECIALLY FORMULATED FOR REMOVING STUBBORN COPPER FOULING

Copper Cream is a non-drip liquid bore cleaner that quickly removes all forms of fouling including copper, lead, plastic wad residue, powder fouling and moly. Copper Cream makes quick work of barrels that are hard to clean and is non-embedding and non-abrasive to barrel metals. Excellent for new barrel break-in. Use with Bore Solvent or Copper Killer for best results.

Available in 6 oz. bottles



COPPER KILLER

SUPER STRENGTH COPPER REMOVER

The Western Powders ballistics lab fires tens of thousands of rounds a year and spends a considerable amount of time cleaning barrels. Our engineers created Copper Killer for use in the lab to speed the cleaning process and bring test barrels back into specification after extended shooting sessions. Now our lab's industrial-strength product is the top-rated copper remover on the market. Its unique buffering solution is completely barrel safe and contains no acids, amines or chlorides. Copper Killer is simply the best copper removing agent available for high-volume shooters.

Available in 20 oz. and 6 oz. bottles



BORE CONDITIONER

MAINTAIN ACCURACY, REDUCE FOULING, AND SPEED CLEANING

Montana X-Treme Bore Conditioner is specially formulated to enhance the performance of precision match-grade barrels. It is a highly-refined, low residue oil created to resist the high pressures and friction that shorten barrel life and limit accuracy. Regular use after a thorough cleaning will help reduce copper fouling and protect the bore from the elements during storage. Its ultra-refined "Group Tamer" formula limits the need for first round fouling shots after cleaning, making it the ideal accuracy lubricant for hunters and law enforcement professionals.

Available in 6 oz. bottles



COWBOY BLEND

FORMULATED FOR QUICK REMOVAL OF LEAD AND POWDER FOULING

Montana X-Treme Cowboy Blend is a special formula for our friends who enjoy Cowboy Action Shooting but is equally useful in any firearm with lead and powder fouling, including shotguns and rimfire rifles. Formulated for firearms where copper fouling is not an issue.

Available in 20 oz. and 6 oz. bottles



GUN OIL

SPECIALLY FORMULATED LUBRICANT FOR FIREARMS

Montana X-Treme Gun Oil is a lubricating oil with excellent rust preventative characteristics for the highest degree of metal protection. Gun Oil provides outstanding corrosion protection in extreme high and low temperatures. Excellent for shotgun actions in cold temperatures, as well as long term gun storage. Can also be used on external metal for extra (or moisture) protection. Does not contain TEFLON, which is known to leave a residue.

Available in 6 oz. bottles



BLACKHORN 209 SOLVENT

Blackhorn 209 Cleaning Solvent is specifically designed to clean muzzleloaders and black-powder cartridges that shoot Blackhorn 209 propellant.

Available in 6 oz. bottles



USA RIMFIRE SOLVENT

SUPPORT TEAM USA'S QUEST FOR GOLD

Top benchrest competitors will tell you that regular cleaning is the key to maintaining top accuracy and reliability in .22 rimfires. At their request we created our Rimfire Solvent, designed specifically to remove lead, wax and powder fouling from .22 rimfires. As an official supplier to the United States Olympic Team, Montana X-Treme is helping our shooters bring home the gold by contributing a dollar for each bottle purchased.

Available in 6 oz. bottles

GUN GREASE

Montana X-Treme Gun Grease is a highly effective, all-purpose lubricant that will not breakdown under extreme temperatures. With a range of -50 F to +600 F, this anti-friction, heavy load bearing grease stays where applied and does not harden. It is virtually unaffected by water and corrosive moisture, which makes it ideal for weatherproofing metal.

Available in easy-to-use syringes



BORE POLISH

Montana X-Treme Bore Polish & Cleaning Compound is a mild abrasive designed to aggressively remove fouling, rust and copper. Our Bore Polish is oil-based and holds the abrasive in-suspension, which facilitates the cleaning and polishing process. Recommend for use with stubborn deposits of copper, rusted bores and excessive fouling.

Available in easy-to-use syringes



CLEANING JAGS

Montana X-Treme Cleaning Jags utilize our opposing barb design to securely grab and hold the patch during both push and pull operations. The tip is radius-cut from the base to prevent bending and breaking, which is a common complaint about jags from other manufacturers. Our jags are constructed from solid brass and CNC machined to exact tolerances for years of service. Standard 8 x 32 male thread (.17 and .20 cal jags are 5 x 40 thread)

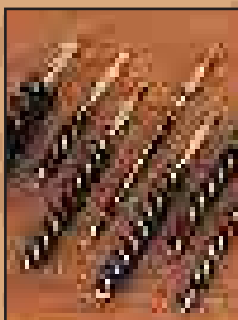
Available in 15 sizes



RIFLE AND HANDGUN NYLON CLEANING BRUSHES

Montana X-Treme Rifle and Handgun Cleaning Brushes are the toughest nylon brushes in the industry. They are made with very stiff, heavy duty bristles and a solid brass core to assure your firearms will get a superior cleaning with minimal effort on your part. Standard 8 x 32 thread (.17 and .20 Cal brushes have a 5 x 40 thread).

Available in 17 sizes



AR CHAMBER BRUSHES

Montana X-Treme .223/5.56 and .308/7.62 Chamber Brushes are constructed on a brass core with very stiff heavy bristles that will not flatten and retain their memory like brass chamber brushes from other manufactures. Designed for a superior cleaning of lugs and chamber. Standard 8 x 32 thread.



BRONZE SHOTGUN CLEANING BRUSHES

Montana X-Treme Bronze Bristle Shotgun Cleaning Brushes will tackle the toughest cleaning operations, including plastic wad residue, with ease. Bristles are heavy duty bronze on a brass core for confidence against accidental marring of the bore. 3/8" x 27 thread.

Available in .410ga., 20/26 ga., and 16/12 ga.



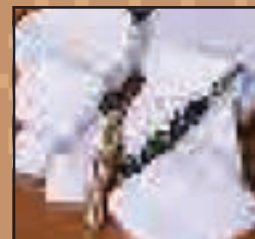
CLEANING PATCHES

Montana X-Treme Cleaning Patches are high quality lint free 100% cotton. They feature a textured finish on both sides that offers excellent absorption of cleaning solvents and oils for the most effective removal of fouling residue. All patches are die cut to uniform caliber sizes.

Patches available in the following sizes:

- Square: 3/4", 1", 1 1/4", 1 3/4", 2 1/4", 3"
- Round: 2 1/2"

Available in small packages and large bags



SOLVENT AND OIL PIPET DISPENSERS

Montana X-Treme Pipet Dispensers make it easy to apply solvents and oils to your patch and firearm without making a mess. No-drip design allows you to precisely place oil into tight areas. "Micro-droplets" ensure just the right amount of oil for every job. Each packet includes four 5.5" x 3ml graduated pipets, two 4.6" x 1.5ml graduated pipets, and two 4.1" x 1.5ml fine tipped pipets.



ROD ADAPTERS

Montana X-Treme Rod Adapters can be used for the following:

- 8 x 32 M to 10 x 32 F — Allows you to use a standard Montana X-Treme rod with muzzleloader jags and brushes
- 10 x 32 M to 8 x 32 F — Allows you to use Montana X-Treme Jags and Brushes on a muzzleloader rod.
- 8 x 32 M to 5/16 x 27 F — Allows you to use a shotshell brush on a Montana X-Treme rod.



CLEANING RODS

Montana X-Treme Cleaning Rods are the #1 choice for effectively cleaning your valuable firearm. They are engineered with the highest-quality materials to provide years of service with minimal maintenance.

Two sets of thrust bearings secured between hardened stainless steel retainers ensure an effective force is distributed during push/pull, and they help keep your jag or brush from unscrewing. These rods are constructed of the highest strength spring steel available and coated with our proprietary, non-embedding coating. The handle is machined aluminum and sized to avoid contact with gun stocks. Shotgun rods are a non-rotating rod. These are the best cleaning rods you can buy.

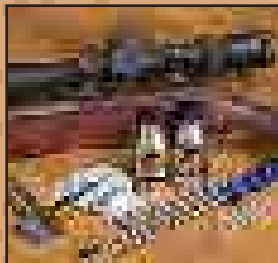
Rifle, handgun and shotgun rods available (see below)



- 17-20 CAL RIFLE RODS: purple handle (5 x 40 thread size) Lengths available: 30", 36", 42"
- 22-264 CAL RIFLE RODS: red handle (8 x 32 thread size) Lengths available: 30", 36", 42"
- 270-50 CAL RIFLE RODS: blue handle (8 x 32 thread size) Lengths available: 30", 36", 44", 54"
- 338-50 CAL RIFLE RODS: gold handle (8 x 32 thread size) Lengths available: 44", 56"
- .30 CAL HANDGUN RODS: blue handle (8 x 32 thread size) Lengths available: 5", 9"
- .22 CAL HANDGUN ROD: red handle (8 x 32 thread size) 12" Length
- SHOTGUN ROD: green handle (5/16 x 27 thread size) 36" Length

GUN CLEANING KIT

This professional grade cleaning kit far exceeds any kit available. The four piece rod is heat-treated 17-4 stainless steel and centerless ground for an exceptionally smooth finish that will not pick up grit and dirt. Machined shoulders ensure a superior thread fit. Our hardened steel, pre-loaded bearing system eliminates galling and wear in the solid aluminum anodized handle, which has a comfortable diameter and is designed to clear high combs. Kit also includes Montana X-Treme Bore Solvent, Gun Oil (with pipets), a .22 or .30 caliber jag and brush, patches, and a cleaning tool kit. The tool kit contains a stainless steel pick and scraper for tough carbon deposits, and two double-ended brushes, brass and stiff nylon.



FREQUENTLY ASKED QUESTIONS

Q: ARE MONTANA X-TREME SOLVENTS SAFE FOR USE IN ALL BARRELS?

A: Montana X-Treme solvents are safe for use in all barrels including chrome moly, stainless steel and chrome-lined barrels.

Q: WHAT IS THE DIFFERENCE BETWEEN COPPER KILLER AND BORE SOLVENT?

A: Copper Killer is recommended when severe copper fouling is an issue, and it will reduce the time necessary for cleaning. Bore Solvent is recommended for everyday use.

Q: WILL IT HURT MY BARREL IF I LEAVE COPPER KILLER IN MY BARREL FOR OVER AN HOUR?

A: No. For the best results with stubborn copper deposits, we recommend that you "wet patch" your barrel with Copper Killer for 30 minutes. Additional "soak" time will NOT harm the barrel.

Q: IS COPPER CREAM ABRASIVE AND WILL IT HURT MY BARREL?

A: Copper Cream is not abrasive to steel, but it is designed to aid in the removal of copper fouling without harming your barrel.

Q: WHAT IS THE DIFFERENCE BETWEEN BORE CONDITIONER OIL AND GUN OIL?

A: Bore Conditioner Oil is a highly refined oil designed to penetrate the micro fissures and cracks in the barrel, which will help prevent fouling buildup and improve cold bore accuracy. Gun Oil is a general purpose firearms lubricant and protectant designed to coat exposed metals, and it is recommended for long-term storage.

Q: I'VE HEARD THAT AMMONIA IS HARD ON BARRELS AND WILL ETCH THEM. YOUR PRODUCTS HAVE A STRONG AMMONIA SMELL — WILL THEY HURT MY BARREL?

A: Montana X-Treme solvents contain ammonia in an oil base and will not hurt or etch the barrel. It is safe to wet patch and "soak" the bore for problem barrels or stubborn copper deposits. Soaking the barrel with Bore Solvent or Copper Killer for an extended period will not harm your barrel.

Q: WHAT IS THE BEST WAY TO USE A SQUARE PATCH? WHEN I USE ONE IT SEEMS TO GET STUCK IN THE BARREL.

A: We recommend square patches because they cover more of the jag. Tightness can be adjusted by moving where you spear the patch. For a looser fit in the bore, spear the patch with a jag in one of the corners and wrap the remainder around the jag. If you want a tighter fit in the bore, spear the patch closer to the center.

GUN TEST MAGAZINE RATES US #1

Gun Test Magazine named Montana X-Treme's Copper Killer solvent as "Best Working Cleaner" in its testing of six major brands. Copper Killer received a four-star rating and was the only solvent tested which "completely cleaned" the old Model 70 firearm utilized in the testing process.



TM

BLACKHORN

209



High Performance Propellant

For 209 Ignition In-Line Muzzleloaders
and Black Powder Cartridges

**ACCURATE.
POWERFUL.
CLEAN.**

THE BEST POWDER
IN MUZZLELOADING

BLACKHORN209.COM

"AT 180 YARDS...
HE DROPPED
LIKE A TON OF BRICKS!"



"Most people thought I was crazy trying to hunt an Ibex with a smokepole. They're very wary, live in extreme terrain, and are considered difficult to put down. On opening morning this ram was standing 180 yards above me so I put the cross hairs above his front shoulder and slowly squeezed the trigger. The sabot penetrated through both shoulder blades and he dropped like a ton of bricks! He measured 46" x 43" and will score fairly high in the record books. Again, thanks for a great product."

Rod Yaksich
New Mexico Ibex, 2009

**Once again, Blackhorn 209
smokes the competition!**

BLACKHORN209.COM

Take Charge of Your Accuracy

Blackhorn 209 is a revolutionary propellant that is redefining the term “accuracy” in the muzzleloading industry. When used as directed, this high-performance powder consistently shoots at higher velocities and with greater precision than any competing propellant. Blackhorn 209 is engineered to eliminate swabbing and cleaning between shots. Precise accuracy, higher velocities and ease of use ensure Blackhorn 209 will bring out the best in your muzzleloading rifle.



Three shots with a .50 cal muzzleloader at 100 yards after 40 shots and no swabbing between shots!

Superior Ballistics and Unbeatable Accuracy

At volume equivalents, Blackhorn 209 is ballistically superior to other muzzleloading propellants. It consistently delivers higher velocities and remarkable accuracy – something every shooter expects but rarely experiences with other propellants. When using Blackhorn 209, your muzzleloader will consistently perform at peak levels of accuracy. With the industry’s lowest standard deviations, you can count on Blackhorn 209 for precise performance and repeatable results.

Extremely Low Residue

Blackhorn 209 is the first and only muzzleloading propellant that is specifically designed to be free of solid and sticky residues. This revolutionary feature assures that Blackhorn 209 **will not leave a crud ring** in your barrel that can damage sabots and affect accuracy. As with all firearms, we recommend using at least one wet patch of solvent every time after shooting to protect your barrel from moisture.

No Swabbing Between Shots

Tight-fitting sabot/bullet combinations are recommended to achieve the highest levels of performance. Many shooters avoid these projectiles due to the difficulty in loading a second or third round because of residue in the barrel. With Blackhorn 209, multiple shots can be easily loaded without the inconvenience of swabbing the barrel.

Easy Breech Plug Removal

Blackhorn 209’s low residue composition allows breech plugs to be easily removed. While it is not necessary to remove and clean the breech plug immediately after use, it is a good practice to frequently remove all primer fouling from the breech plug to maintain consistent ignition.



No Special Primers Required

Standard 209 shotshell primers are recommended for Blackhorn 209. Best results can be expected from CCI 209M and Federal 209A primers. Special muzzleloading primers, such as Winchester Triple 7, and Remington Clean Bore ARE NOT RECOMMENDED.

Not Affected by Temperature or Humidity

Blackhorn 209 is virtually nonhygroscopic. Changes in temperature or humidity do not affect performance. Blackhorn 209 will not set up or degrade like some other propellants.

Uniform Size – “Good to the Last Shot”

Uniform granular size ensures consistent performance from the first shot to the last shot in every bottle of Blackhorn 209. Blackhorn 209 does not contain fines and will not separate like other muzzleloading propellants.

Extended Shelf Life

In contrast to other muzzleloading propellants, Blackhorn 209 will remain consistent and reliable for an extended period of time when properly stored.

Cleans with Regular Solvents

Blackhorn 209 is virtually free of solid residue. Only a thin film of soot remains in the barrel. After using Blackhorn 209, your barrel can easily be cleaned with a standard oil-based solvent. We recommend either Montana X-Treme’s Blackhorn 209 Cleaning Solvent, which is specifically formulated for Blackhorn 209 or Montana X-Treme’s Cowboy Blend Solvent. Using water or other muzzleloading solvents to clean your barrel is not recommended.

**...UNDENIABLY
THE BEST POWDER
IN MUZZLELOADING.**

Optimizing Performance

Ignition Systems / Breech Plugs

Blackhorn 209 is a very consistent and effective muzzleloading propellant that is unmatched in its quality and accuracy. Because of its unique formulation, Blackhorn 209 requires a properly functioning, sealed ignition system more so than black powder and lower quality substitutes. Blackhorn 209 is not recommended in open systems such as sidelock muzzleloaders using #11 percussion or musket caps, cap and ball revolvers, or muzzleloading shotguns.

For more information on addressing ignition factors and breech plug design for maximizing the performance of Blackhorn 209, visit blackhorn209.com.

Other Blackhorn 209 Products

For loading your gun as fast or faster than pellets, we offer three volumetrically graduated Charge Tube options. Blackhorn 209 Cleaning Solvent by Montana X-Treme is also recommended for regular cleaning and residue removal.

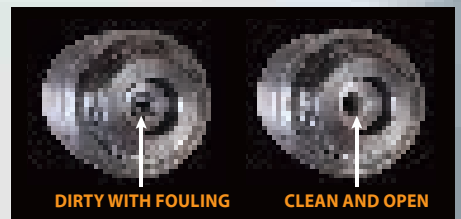


Breech Plug Cleaning

Nothing affects a muzzleloader's performance more than the breech plug. With high-performance powders like Blackhorn 209, it is very important that the breech plug be clean. Normal use leads to primer fouling buildup, so we recommend a thorough and regular breech plug cleaning before using Blackhorn 209. The following cleaning procedures will ensure your muzzleloader performs at its best when using Blackhorn 209:

1. Insert a drill bit suitably sized to fit the flash channel and GENTLY TURN BY HAND to remove excess fouling/buildup.
2. flash hole with an appropriately sized torch tip cleaner.
3. solvent to remove any remaining residue. (We recommend Blackhorn 209 Cleaning Solvent by Montana X-Treme).
4. Dry with compressed air or ensure the flash channel and flash hole are completely dry before use.

CAUTION: Be sure to use a suitably sized drill bit and DO NOT remove any metal from the breech plug during the cleaning process.



See blackhorn209.com for detailed instructions

No Crud Ring

Blackhorn 209 is free of solid residues and will not leave a crud ring in your barrel. This eliminates the need to swab the barrel between shots.



40 SHOTS WITH BLACKHORN 209

Blackhorn 209 leaves minimal fouling in the barrel, which makes it easy to load multiple shots with tight-fitting bullet/sabots without swabbing the barrel between shots. Minimal fouling also makes it easy to remove the breech plug.



10 SHOTS WITH LEADING BRAND

Some powders leave a nasty crud ring (solid residue) in the barrel that makes it difficult to load a tight-fitting bullet/sabot or remove the breech plug.

Blackhorn 209. We're right on target.

Compare the data side-by-side and you'll clearly see why Blackhorn 209 is undeniably the best powder in muzzleloading!



	Blackhorn 209	Triple Se7en	Shockey's Gold	White Hots	American Pioneer	Black Powder
High velocities	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non-hygroscopic (extended shelf life)	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Breech plug easily removed after use	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Low residue	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
No swabbing between shots	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
No "Crud Ring" in barrel	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accuracy unaffected by fouling	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
No water for cleaning	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Uniform size - Does not separate in the bottle	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extended shelf life	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

YES NO



High Performance Muzzleloading Propellant



406-234-0422

Western Powders, Inc. • Miles City, Montana 59301

Shooter's have always been disappointed in the claims made by other muzzleloading propellant manufacturers...

NOT ANYMORE!

Blackhorn 209 is the first and only low residue muzzleloading propellant that lives up to its claims and delivers precise performance and repeatable results.

Take charge of your accuracy.

Blackhorn 209 is an exclusive brand of Western Powders. Western Powders, Inc. is also the exclusive manufacturer of:



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BLACKHORN209.COM

BURN RATE CHART

EDITION 8.0

Please read the note and caution at side of the chart.

ACCURATE	RAMSHOT	ALLIANT	HODGDON	IMR	WINCHESTER	VIHTAVOURI	NORMA	
Nitro 100 NF Nitro 100	Competition	Extra-Lite	WAALite			N310	R-1	
			TITEWAD	WST				
				Clays				
	ZIP	Bullseye	HP-38		231	N312		
Solo 1000 No. 2			e3		Hi-Skor 700X			
		Red Dot Promo Clay Dot	TITEGROUP	Trail Boss				
	Silhouette True Blue	American Select	International		WSL	N320		
			Green Dot	Super Handicap				
No. 5			BE-86		PB	WAP	N330	
		20/28 Unique Power Pistol	Universal	SR-7625	WSF AutoComp	N340		
		Herco Blue Dot Pro Reach	HS-6 Longshot	SR-4756		N3N37 N350 N3N38		
No. 7		STEEL 410 2400	HS-7	Hi-Skor 800X		N105		
No. 9 TCM 4100 No. 11FS	Enforcer		Lil'Gun H-110 H-4227	SR-4759 IMR-4227		N110	R-123	
			Power Pro 300-MP			296		
5744 1680					680			
LT-30 LT-32 2200			H-4198	IMR-4198		N120	200	
		REL-7 Power Pro 1200-R	H-322					
2015			Benchmark	IMR-3031				
2230	X-Terminator	REL-10x AR-Comp				N130	201	
2460								
2495	TAC	REL-12 Varmint	BL-C (2) H-335 H-4895 Varget	IMR-8208 XBR IMR-4895 IMR-4166 IMR-4064	748	N133	202	
2520						N530 N135		
4064	Big Game	REL-15 Power Pro 2000-MR	H-380	IMR-4320 IMR-4007 SSC		N140	203-B	
2700				H-414			N540	
		REL-17		IMR-4451 IMR-4350	760	N150		
4350	Hunter	Power Pro 3000-LR	H-4350			N550	204	
			Hybrid 100V H-4831 H-4831 SC SUPERFORMANCE	IMR-4831	WXR	N160 N560	205	
			REL-19			WMR		MRP
		REL-22 Power Pro 4000-MR				N165	MRP-2	
MAGPRO	Magnum LRT			IMR-7828 IMR-7977	Supreme 780			
			REL-25 REL-33	H-1000 Returnbo			217	
				H-870		870		
			REL-50	H-50BMG US 869			N170	
						24N41 20N29		

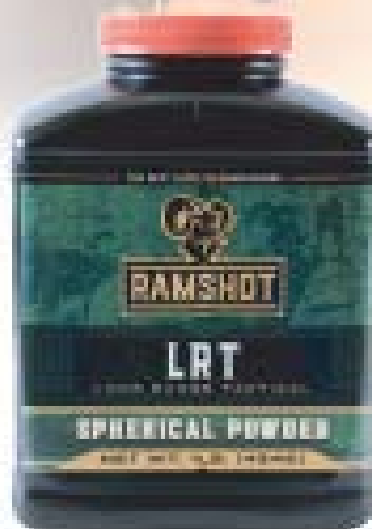
Burn rate charts can never reflect the differences between powders in the correct proportion and can only place powders in approximate burn rate envelopes. **NEVER USE THESE TO DETERMINE/CALCULATE LOADS. ALWAYS REFER TO REPUTABLE LOAD GUIDES/MANUALS.**

Tactical Excellence.



Accurate 11FS

Accurate 11FS is designed with an advanced flash suppressed formula that reduces muzzle signature by up to 90% in most popular magnum handguns.



Ramshot LRT

Ramshot LRT is created for high performance at extreme ranges. It offers high load densities and low standard deviations for superior accuracy in magnum calibers like the 338 Lapua, 257 Weatherby and .30 Nosler.



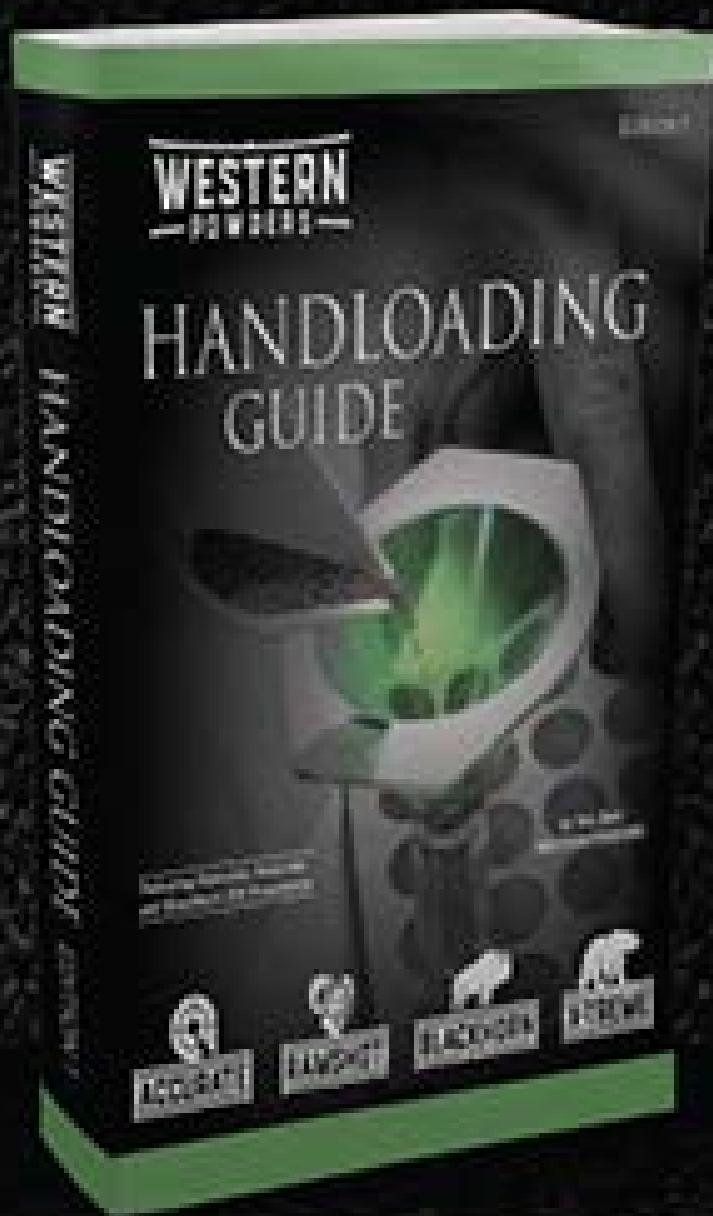
Accurate TCM

Producing 2,000 fps with virtually no recoil, Accurate TCM is designed for Rem-UMC's .22 TCM cartridge. It also performs well in .357 Mag, .41 Mag and high-pressure .45 Colt cartridges.

Order our
new *Handloading
Guide* on our
website today.

WESTERN
— POWDERS —

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WESTERN POWDERS

HANDLOADING GUIDE

EDITION 1

With data for modern cartridge, air firearms and obscure wildcats, the Western Powders Handloading Guide picks up where the well-loved Accurate Area books left off. Featuring new propellants, including the complete line of Remshot, Accurate and Blackhorn 209 powders, this comprehensive guide presents the most advanced loading information available to shooters today. **FULL COLOR, 456 PAGES.**

FEATURED ARTICLES INCLUDE:

- NECK TURNING TIPS AND HOW TO AVOID THE CREATED "DONUT"
- INSIGHTS INTO POWDER POSITION AND IT'S EFFECT ON PRESSURE AND ACCURACY
- GETTING THE MOST OUT OF PISTOL CALIBER CARBINES
- HOW A CHRONOGRAPH CAN MAKE YOU A BETTER LOADER
- THE TRUTH ABOUT AR-15 PISTOL BALLISTICS

