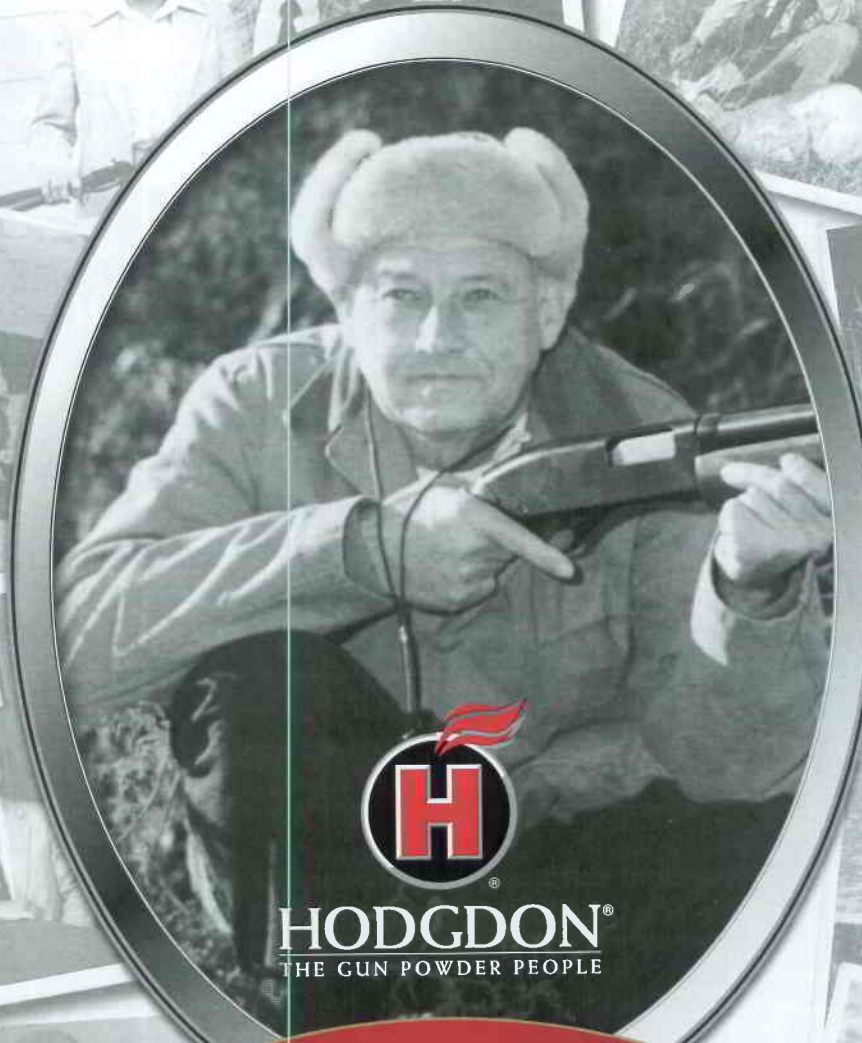
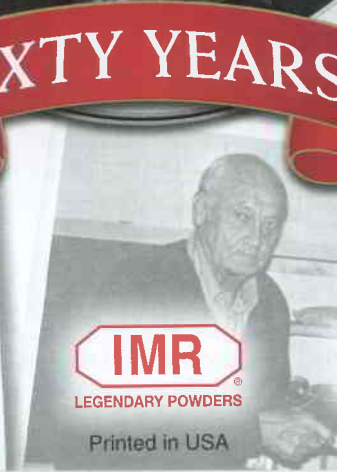
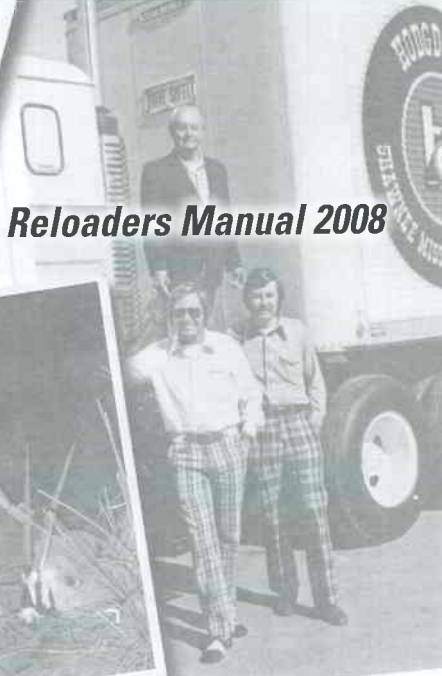
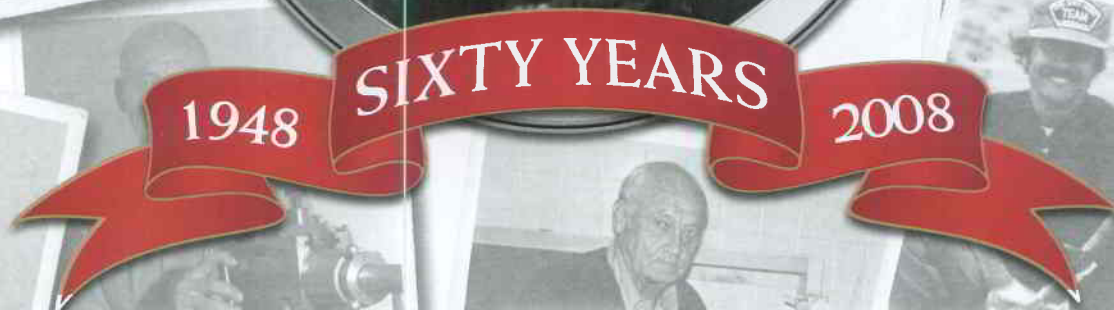


Basic Reloaders Manual 2008



HODGDON
THE GUN POWDER PEOPLE

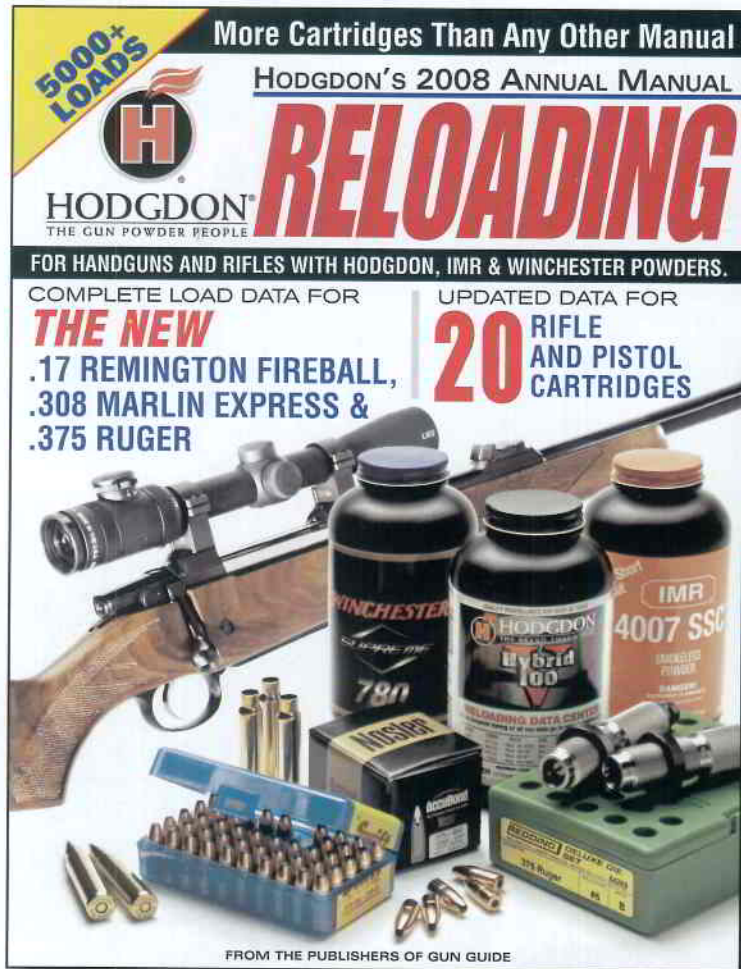


H HODGDON
THE BRAND THAT'S TRUE

IMR
LEGENDARY POWDERS

WINCHESTER
SMOKELESS PROPELLANT

Printed in USA



HODGDON 2008 ANNUAL MANUAL

The Hodgdon Annual Manual is a complete resource for the handloader, containing extensive reload data, charts, and also interesting fresh articles about reloading and shooting from the finest outdoor writers in the business. This manual exclusively shows data for rifle and pistol cartridges. It's the source for Hodgdon, IMR and Winchester brand powders. The 2008 Annual Manual is extensive with 144 rifle and 81 pistol cartridges represented; it features thousands of starting and maximum recipes for rifle and pistol in an easy to read magazine format, including the newest caliber introductions: 17 Remington Fireball, 308 Marlin Express and 375 Ruger. No reloader should be without this guide; it provides more information for rifle and pistol cartridges than any other manual available today.

The 2008 Annual Manual is on newsstands and gun dealers shelves everywhere, starting January 2008 for just \$7.99. In addition, it can be purchased direct from Hodgdon Powder Co. Inc., for \$10.50 USA only. Includes shipping and handling.

On Cover: Cover features 60 years of Hodgdon family history including founder Bruce E. Hodgdon. Bruce was one of the real pioneers of reloading. He supplied shooters with quality, low priced propellants, helping build a fledgling reloading market into a major shooting sports activity. Bruce was an avid reloader, hunter, shooter, benevolent friend of the right to bear arms and he donated funds to begin the NRA Handloading Endowment.

NEW RIFLE POWDERS DELIVER SUPREME RESULTS

WINCHESTER® SUPREME 780™

Supreme 780™ is the same powder loaded in Winchester's factory Supreme® ammunition including 243 Win., 270 Win., and 300 Win. Mag.

This propellant allows the handloader to duplicate Winchester Supreme factory loads. More important, **Supreme 780™** provides top velocities and outstanding performance in many other notable cartridges, such as the 270, 7mm and 300 Winchester Short Mags, 7mm Weatherby Mag, 300 Weatherby Mag and the new 375 Ruger. And that just names a small portion of the cartridges where Supreme 780 "shines".

Supreme 780™ is a Ball* Powder® propellant, which means smooth metering, resulting in the most consistent charge weights.

One and eight pound containers are available at your favorite Winchester dealer. For more **Supreme 780™** reloading information, visit www.powder.com and click on our Reloading Data Center.

*Ball Powder® is a registered trademark of General Dynamics Corporation.

HODGDON® HYBRID 100V™

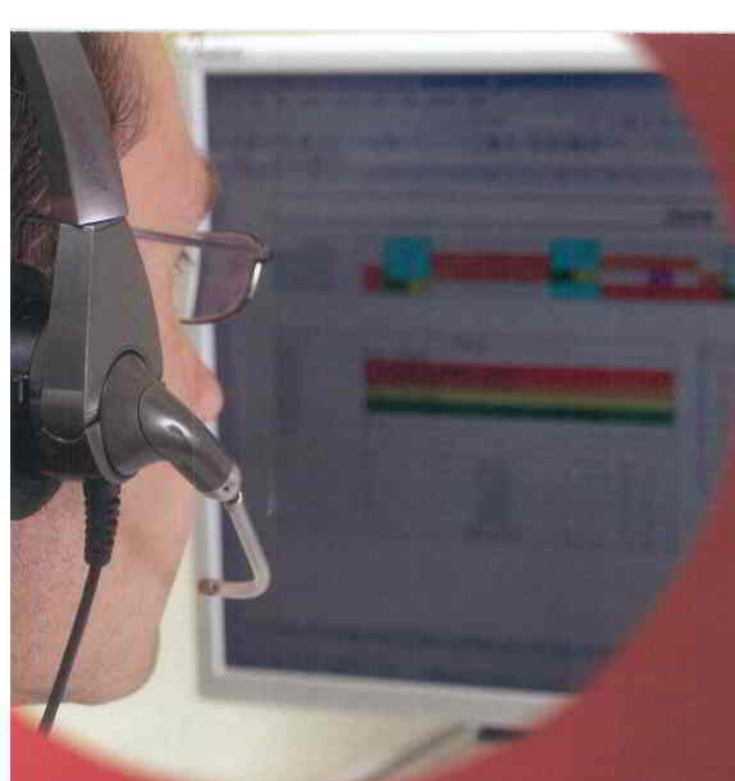
HYBRID 100V™ is a technological marvel that marries two technologies: the chemistry of a Spherical powder with the geometry of an Extruded propellant. The unique small grain, part Spherical, part Extruded shape benefits the handloader in two ways; the powder accurately meters smoothly through the powder measure with extremely consistent charge weights. Because of the combined granulation shape, load density is ideal, eliminating position sensitivity while maintaining uniform velocities from shot to shot. These fine attributes contribute greatly to superb accuracy.

With a burn speed between H4350 and H4831, **HYBRID 100V™** accommodates a large variety of standard to magnum cartridges.

The combination of Spherical and Extruded technology yields top velocities in a host of popular cartridges, delivering nearly 100 fps more velocity with many components. From the 243 Winchester to the new 375 Ruger, **HYBRID 100V™** sets the standard with winning precision target accuracy and trophy big game getting performance.

HYBRID 100V™ in one and eight pound containers can be found at Hodgdon dealers everywhere. Complete data is complementary and available 24/7 at hodgdon.com. Just click on the Reloading Data Center.





Give the Experts at Hodgdon a Call

Hodgdon Powder Customer Service

At Hodgdon Powder, the shooter always comes first. That's why we've made it our mission to provide you with accurate, high-quality information on the use of our products in a quick and efficient manner. Who answers your questions at Hodgdon? Some of the most experienced shooters and reloaders to be found. From this pool of knowledge, experience and expertise, we can offer sound advice, help solve your problems, and get your questions answered. Whatever you may need, and wherever you may be calling from, remember that at Hodgdon, we want to hear from you.

Mike Daly
Director of Customer Service



HODGDON
THE GUN POWDER PEOPLE



Contact us Monday through Friday, 8 a.m. to 5 p.m. CST/CDST:

Hodgdon Powder Company
Attn: Customer Service
6231 Robinson • Shawnee Mission, KS 66202
Phone: 913-362-9455 • Fax: 913-362-1307
E-mail: help@hodgdon.com





Hodgdon

Warning

Ballistic data shown in this manual was obtained in Hodgdon's laboratory under strictly controlled conditions.

Your reloads must contain the exact combinations listed in this manual. **NEVER EXCEED** charge recommendations in this manual.

Ballistic data varies considerably depending on many factors, including components used, how such components are assembled, the type of firearm used, and the reloading techniques and safety precautions utilized by the individual.

NEVER mix any two powders regardless of type, brand or source. **NEVER** substitute any smokeless powder for black powder, for Pyrodex® or for Triple Seven muzzleloading powder.

Hodgdon specifically disclaims any warranties with respect to any and all products sold or distributed by it, the safety or suitability thereof, or the results obtained, whether express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose and/or any other warranty. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries (including death), losses, or damages to persons or property (including consequential damages), arising from the use of any product or data, whether or not occasioned by seller's negligence or based on strict product liability or principles of indemnity or contribution. Hodgdon neither assumes nor authorizes any person to assume for it any liability in connection with the use of any product or data.

The individual assumes the risk of safe loading practices. Failure to do so or violation of any of the above warnings could result in severe personal injury (including death) or gun damage to the user or bystanders.

USE THIS DATA WITH HODGDON BRAND POWDERS ONLY

Reduce data 10% to start and work up. DO NOT EXCEED THE LOADS SHOWN IN THIS GUIDE.



Charter Members

Mission Statement

Our mission is to provide quality propellants, other products, and services to sportsmen, governing units, and other businesses in a manner which enhances the quality of life for our stockholders, employees, customers, associates, and suppliers. In doing so, we will deal with integrity and honesty, reflecting that people are more important than dollars and that our purpose is to bring credit to our Lord Jesus Christ.

Contents

page

Annual Manual	2
New Products	3
Customer Service	4
Introduction	5
Hodgdon Extreme Powder	5
Properties and Storage of Powder	6-7
Powder Descriptions	8-11
Hodgdon Usage Charts	12-13
Relative Burn Rate	13
Rifle Data	14-25
Pistol Data	26-29
Cowboy Action Data	29-34
Shotshell	35
Shotshell Warnings	35
Shotshell Wad Chart and Notes on Recoil	35
Shotshell Bushing Charts	36-39
Shotshell Data	40-74
Muzzleloading Products	78-79

January 2008



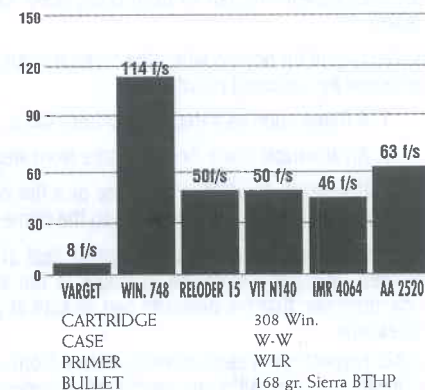
In the shooting world there are two kinds of people. Those who like to plink around, with little or no regard to accuracy and consistency. And then there are those who take the discipline of shooting to a whole new extreme.

Shooters, not unlike yourself, who sense changes in performance with changes in the weather. People who recognize lot differences in certain powders with a single pull of the trigger. For those discriminating few, Hodgdon is proud to offer the Extreme Series. This exclusive line of extruded powders was developed with extreme conditions in mind. They're manufactured so you can't tell the difference in performance from one lot to the next. And whether you're hunting deer in the dead of winter or prairie dogs in the middle of July, you'll get the same consistent performance, load after load. Some would say our obsession with performance is a bit extreme. We couldn't agree more.

TEMPERATURE EXTREMES

You live in the "real" world, where 12 point bucks are rare and it's never 70° when you decide to fire your rifle. Where you shoot it's either freezing cold or burning hot. Not exactly ideal conditions for your rifle, or you for that matter. Fortunately, Hodgdon's Extreme powders perform just as well at 125° as they do at 0°. Using an exclusive extrusion process and exacting quality standards, Hodgdon has created a line of propellants that performs better at hot and cold temperatures than any other powder on the market. So when you sight in your rifle this summer, you can count on unbeatable accuracy this winter.

EXTREME VELOCITY SPREAD FOR TEMPERATURES BETWEEN 0°-125°



LOT CONSISTENCY

Hodgdon goes through painstaking measures to ensure that all powder is consistent from lot to lot. And while the casual user may never notice, you certainly will. No matter when you purchase Hodgdon powder, you can feel confident that the performance you receive from one lot will match that of another.

SHORT GRAIN METERING

With Hodgdon Extreme powders you get the best of both worlds. On one hand you get extruded performance that outperforms the best long grain powders on the market in any kind of weather. On the other, the shorter grains produced in the extrusion process meter extremely well. That means you can use Extreme powders in progressive loaders for high volume loading. Whether you're loading for targets, big game, plinking or varmints, Hodgdon has an extruded powder that will work for you.



Hodgdon

The Favorite of Handloaders Since 1948

Smokeless Powders

Properties

Smokeless powders, or propellants, are essentially mixtures of chemicals designed to burn under controlled conditions at the proper rate to propel a projectile from a gun.

Smokeless powders are made in three forms:

1. Thin, circular flakes or wafers
2. Small cylinders
3. Small spheres

Single-base smokeless powders derive their main source of energy from nitrocellulose.

The energy released from double-base smokeless powders is derived from both nitrocellulose and nitroglycerin.

All smokeless powders are extremely flammable; by design, they are intended to burn rapidly and vigorously when ignited.

Oxygen from the air is not necessary for the combustion of smokeless powders since they contain sufficient built-in oxygen to burn completely, even in an enclosed space such as the chamber of a firearm.

In effect, ignition occurs when the powder granules are heated above their ignition temperature. This can occur by exposing powder to:

1. A flame such as a match or primer flash.
2. An electrical spark or the sparks from welding, grinding, etc.
3. Heat from an electric hot plate or a fire directed against or near a closed container even if the powder itself is not exposed to the flame.

When smokeless powder burns, a great deal of gas at high temperature is formed. If the powder is confined, this gas will create pressure in the surrounding structure. The rate of gas generation is such, however, that the pressure can be kept at a low level if sufficient space is available or if the gas can escape.

In this respect smokeless powder differs from blasting agents or high explosives such as dynamite or blasting gelatin, although smokeless powder may contain chemical ingredients common to some of these products.

High explosives such as dynamite are made to detonate, that is, to change from solid state to gaseous state with evolution of intense heat at such a rapid rate that shock waves are propagated through any medium in contact with them. Such shock waves exert pressure on anything they contact, and, as a matter of practical consideration, it is almost impossible to satisfactorily vent away the effects of a detonation involving any appreciable quantity of dynamite.

Smokeless powder differs considerably in its burning characteristics from common "black powder."

Black powder burns essentially at the same rate out in the open (unconfined) as when in a gun.

When ignited in an unconfined state, smokeless powder burns inefficiently with an orange-colored flame. It produces a considerable amount of light brown noxious smelling smoke. It leaves a residue of ash and partially burned powder. The flame is hot enough to cause severe burns.

The opposite is true when it burns under pressure as in a cartridge fired in a gun. Then it produces very little smoke, a small glow, and leaves very little or no residue. The burning rate of smokeless powder increases with increased pressure.

If burning smokeless powder is confined, gas pressure will rise and eventually can cause the container to burst. Under such circumstances, the bursting of a strong container creates effects similar to an explosion.

For this reason, the Department of Transportation (formerly Interstate Commerce Commission) sets specifications for shipping containers for propellants and requires tests of loaded containers – under actual fire conditions – before approving them for use.

When smokeless powder in D.O.T. approved containers is ignited during such tests, container seams split open or lids pop off – to release gases and powder from confinement at low pressure.

Smokeless Powders

How to check for deterioration

Although modern smokeless powders are basically free from deterioration under proper storage conditions, safe practices require a recognition of the signs of deterioration and its possible effects.

Powder deterioration can be checked by opening the cap on the container and smelling the contents. Powder undergoing deterioration has an irritating acidic odor. (Don't confuse this with common solvent odors such as alcohol, ether and acetone.)

Check to make certain that powder is not exposed to extreme heat as this may cause deterioration. Such exposure produces an acidity which accelerates further reaction and has been known, because of the heat generated by the reaction, to cause spontaneous combustion.

Never salvage powder from old cartridges and do not attempt to blend salvaged powder with new powder. Don't accumulate old powder stocks.

The best way to dispose of deteriorated smokeless powder is to burn it out in the open at an isolated location in small shallow piles (not over 1" deep). The quantity burned in any one pile should never exceed one pound. Use an ignition train of slow burning combustible material so that the person may retreat to a safe distance before powder is ignited. For more instructions call Hodgdon Powder.

Smokeless Powders

Consideration for Storage

Smokeless powder is intended to function by burning, so it must be protected against accidental exposure to flame, sparks or high temperatures.

For these reasons, it is desirable that storage enclosures be made of insulating materials to protect the powder from external heat sources.

Once smokeless powder begins to burn, it will normally continue to burn (and generate gas pressure) until it is consumed.

D.O.T. approved containers are constructed to open up at low internal pressures to avoid the effects normally produced by the rupture or bursting of a strong container.

Storage enclosures for smokeless powder should be constructed in a similar manner:

1. Of fire-resistant and heat-insulating materials to protect contents from external heat.
2. Sufficiently large to satisfactorily vent the gaseous products of combustion which would result if the quantity of smokeless powder within the enclosure accidentally ignited.

If a small, tightly enclosed storage enclosure is loaded to capacity with containers of smokeless powder, the walls of the enclosure will expand or move outwards to release the gas pressure – if the powder in storage is accidentally ignited.

Under such conditions, the effects of the release of gas pressure are similar or identical to the effects produced by an explosion.

Hence only the smallest practical quantities of smokeless powder should be kept in storage, and then in strict compliance with all applicable regulations and recommendations of the National Fire Protection Association.

14.3 Smokeless Propellants

14.3.1 Quantities of smokeless propellants not exceeding 11.3 kg (25 lb) in shipping containers approved by the U.S. Department of Transportation shall be permitted to be transported in a private vehicle.

14.3.2 Quantities of smokeless propellants exceeding 11.3 kg (25 lb), but not exceeding 22.7 kg (50 lb), transported in a private vehicle shall be transported in a portable magazine having wood walls of at least 25.4 mm (1 in.) nominal thickness.

14.3.3 Transportation of more than 22.7 kg (50 lb) of smokeless propellants in a private vehicle shall be prohibited.

14.3.4 Commercial shipments of smokeless propellants for small arms that has been classed in Division 1.3 shall be permitted to be reclassified as Division 4.1 flammable solid for transportation purposes for shipment by motor vehicle, rail car, vessel, or cargo-only aircraft, subject to the conditions stated in the U.S. Department of Transportation 49 CFR 173.171.

14.3.5 Commercial shipments of smokeless propellants exceeding 45.4 kg (100 lb) or not packaged in accordance with the regulations cited in 14.3.4 shall be transported in accordance with the U.S. Department of Transportation regulations for Division 1.1 or 1.3 explosives.

14.3.6 Smokeless propellants shall be stored in shipping containers specified by U.S. Department of Transportation "Hazardous Materials Regulations."

14.3.7 Quantities

14.3.7.1 Smokeless propellants intended for personal use in quantities not exceeding 9.1 kg (20 lb) shall be permitted to be stored in original containers in residences.

14.3.7.2 Quantities exceeding 9.1 kg (20 lb), but not exceeding 22.7 kg (50 lb), shall be permitted to be stored in residences where kept in a wooden box or cabinet having walls of at least 25.4 mm (1 in.) nominal thickness.

14.3.8 Not more than 22.7 kg (50 lb) of smokeless propellants, in containers of a 0.45 kg (1 lb) maximum capacity, shall be displayed in commercial establishments.

14.3.9 Commercial stocks of smokeless propellants shall be stored as follows:

- (1) Quantities exceeding 22.7 kg (50 lb), but not exceeding 45.4 kg (100 lb), shall be stored in portable wooden boxes having walls of at least a 25.4 mm (1 in) thickness.
- (2) Quantities exceeding 45.4 kg (100 lb), but not exceeding 363 kg (800 lb), shall be stored in nonportable storage cabinets having walls of at least 25.4 mm (1 in) thickness.
- (3) Not more than 181 kg (400 lb) shall be permitted to be stored in any one cabinet, and cabinets shall be separated by a distance of at least 7.63 m (25 ft) or by a fire partition having a fire resistance of at least 1 hour.
- (4) Quantities exceeding 363 kg (800 lb) but not exceeding 2268 kg (5000 lb) shall be permitted to be stored in a building, provided the following requirements are met:
 - (a) The warehouse or storage room shall not be accessible to unauthorized personnel.
 - (b) Smokeless propellants shall be stored in nonportable storage cabinets having wood walls of at least 25.4 mm (1 in.) thickness and having shelves with no more than 0.92 m (3 ft) of separation between shelves.
 - (c) No more than 181 kg (400 lb) shall be stored in any one cabinet.
 - (d) Cabinets shall be located against the walls of the storage room or warehouse with at least 12.2 m (40 ft) between cabinets.

(e) The separation between cabinets shall be permitted to be reduced to 6.1 m (20 ft) where barricades twice the height of the cabinets are attached to the wall, midway between each cabinet.

(f) The barricades shall extend at least 3 m (10 ft) outward, shall be firmly attached to the wall, and shall be constructed of 6.4 mm (1/4 in) boiler plate, 51 mm (2 in.) thick wood, brick, or concrete block.

(g) Smokeless propellants shall be separated from materials classified by the U.S. DOT as flammable liquids, flammable solids, and oxidizing materials by a distance of 7.63 m (25 ft) or by a fire partition having a fire resistance of at least 1 hour.

(h) The building shall be protected by an automatic sprinkler system installed in accordance with NFPA 13, *Standard for the Installation of Sprinkler Systems*.

(5) Smokeless propellants not stored in accordance with 14.3.9(1) through 14.3.9(4) shall be stored in a Type 4 magazine constructed and located in accordance with Chapter 9.

Smokeless Pistol & Shotgun Powders

► Extreme Powders

In Order of Approximate Burning Rate

TITEWAD™ Through advanced technology, Hodgdon Powder Co. has produced a superior flattened spherical shotgun powder. Unlike spherical propellants in the past, TITEWAD features low charge weights, mild muzzle report, minimum recoil and reduced residue for optimum ballistic performance. This outstanding propellant, designed for 12 gauge only, meters superbly and is ideal for 7/8, 1 and 1-1/18 ounce loads. As the name implies, “a little goes a long way!”

CLAYS™ Introduced in January 1992, CLAYS has “taken the clay target world by storm.” It is the most clean burning, consistent 12 ga. 7/8 oz., 1 oz. and 1-1/8 oz. powder available today. The superb burning characteristics of this powder produce soft, smooth recoil, ultra clean burning, mild muzzle report, and excellent patterns. These features transfer directly to handgun applications where target shooting is the main goal. 45 ACP and 38 Special are only two of the cartridges in which CLAYS provides “tack driving” target accuracy with flawless functioning.

INTERNATIONAL™ INTERNATIONAL is the second in the “CLAYS” series of powders. Its burning speed accommodates 12 ga., 2-3/4” light, medium and heavy 1-1/8 oz. loads, with some very nice 1 oz. listings. Also, it works splendidly in 20 ga., 7/8 oz. target and light field loads. As with CLAYS, clean burning and flawless functioning is the rule.

TITEGROUP™ As the name implies, this spherical propellant was designed for accuracy. Because of the unique design, this powder provides flawless ignition with all types of primers including the lead-free versions. Unlike pistol powders of the past, powder position in large cases (45 Colt, 357 Magnum and others) has virtually no effect on velocity and performance. Cowboy Action, Bullseye and Combat Shooters should love this one! TITEGROUP has it all

HP38™ HP38 is a spherical pistol powder that is great for low velocity and mid-range target loads in 38 Special, 44 Special and 45 ACP. This high energy powder provides economy in loading.

UNIVERSAL™ UNIVERSAL handles the broadest spectrum of cartridges for both pistol and shotgun. From the 25 ACP to the 44 Magnum, UNIVERSAL provides outstanding performance. In shotgun, it produces excellent loads in 28 ga. 3/4 oz., 20 ga. 7/8 oz., 16 ga. 1 oz., and even 12 ga.

HS-6™ HS-6 is a fine spherical propellant that has wide application in pistol and shotshell. In pistol, 9mm, 38 Super, 40 S&W and 10mm Auto are some of the cartridges where HS-6 provides top performance. In shotshell HS-6 yields excellent heavy field loadings in 10 ga., 12 ga., 16 ga., 20 ga., and even the efficient and effective 28 ga. HS-6 is truly an outstanding spherical propellant.

LONGSHOT™ This new spherical shotshell powder is the most versatile heavy field propellant Hodgdon has ever produced. Great field loads in 10 ga., 12 ga., 16 ga., 20 ga., and 28 ga. are shown herein. This propellant provides true magnum velocities with superb patterns. In addition, LONGSHOT is the best choices for those competitors shooting “race” games such as “Buddy” shoots, “Annie Oakleys” and more.

► **H4227** H4227 is the fastest of our Extreme Extruded rifle propellants. Because of its burning speed, it doubles as a magnum pistol powder. Top applications are the 22 Hornet, 357 Maximum, 357 Magnum, 44 Magnum and the mighty 454 Casull. For stability under extreme conditions, H4227 is the top choice.

H110™ H110 is the spherical powder that screams “no wimps, please!” It delivers top velocities with top accuracy in the 44 Magnum, 454 Casull and 475 Linebaugh. Silhouette shooters claim it is the most accurate 44 powder they have ever used. In addition, H110 is “the” choice for the miniscule 410 Bore shotgun. It handles all 2-1/2”, 1/2 oz. loads as well as all 11/16 oz. loads for the 3” version.

LIL’ GUN™ The 410 Bore has long been difficult to load due to shortcomings in powder fit, metering, along with poor burning characteristics. Not any more! LIL’ GUN was designed to fit, meter and perform flawlessly in the 410 Bore. No more spilled shot or bulged cases. In addition LIL’ GUN has many magnum pistol applications and is superb in the 22 Hornet.

Smokeless Rifle Powders

► Extreme Powders

In Order of Approximate Burning Rate

► **H4198** This Extreme Extruded propellant has gone through some changes since its inception, all the time maintaining the same important burning speed of the past. The kernels were shortened for improved metering and necessary elements were added to make it extremely insensitive to hot/cold temperatures. H4198 is outstanding in cartridges like the 222 Remington, 444 Marlin and 7.62 x 39.

► **H322™** This powder has won more benchrest matches than all other propellants combined. It provides match grade accuracy in small and medium capacity cartridges like the 223 Remington, 6mm PPC and the 7mm TCU. As a fine extruded powder, it flows through powder measures with superb accuracy.

► **BENCHMARK™** As the name implies, this Extreme Extruded propellant was developed for precision cartridges, such as benchrest and small varmint cartridges like the 6mm PPC, 22 PPC, 6mm BR, 22 BR, 223 Remington and 222 Remington. Additionally, it performs superbly in the 308 Winchester with light match bullets like the 147 gr. and 155 gr. versions. With small, easy metering granules, competitors will love how it flows through progressive presses.

► **H335™** H335 originated as a military powder for the 5.56 NATO, or 223 Remington, as handloaders know it. Obviously, it sees endless use in the 222 Remington, 223 Remington and other small cartridges. In particular, prairie dog shooters will find this a favorite, as J.B. Hodgdon has for years!

► **H4895™** H4895 is a most versatile rifle powder. This member of the Extreme Extruded line is great for 17 Remington, 250-3000 Savage, 308 Winchester and 458 Winchester, to name just a few. It is amazingly accurate in every cartridge where it is listed in our data. It had its origin in the 30-06 as a military powder and was the first powder Bruce Hodgdon sold to the loading public.

► **VARGET™** The first of Hodgdon's revolutionary Extreme Extruded Powders, VARGET features small extruded grains for uniform metering, insensitivity to hot/cold temperatures and higher energy for improved velocities over other powders in its burning speed class. Easy ignition and clean burning translate into superb accuracy, higher scores and more clean, one shot kills. Outstanding performance and velocity can be obtained in popular cartridges such as the 223 Remington, 22-250 Remington, 308 Winchester, 30-06, 375 H&H and many more.

► **BL-C(2)™** BL-C(2) is a spherical powder that began as a military powder used in the 7.62 NATO, commonly known as the 308 Winchester. When it was first introduced to the handloader, benchrest shooters and other target shooters made it an instant success. BL-C(2) works extremely well in the 223 Remington, 17 Remington, 22 PPC and of course, the 308 Winchester, plus many more.

► **H380™** H380 was an unnamed spherical rifle propellant when the late Bruce Hodgdon first used it. When a 38.0 grain charge behind a 52 grain bullet gave one hole groups from his 22 caliber Wildcat (now called 22-250), he appropriately named the powder H380. H380 is also a superb performer in the 220 Swift, 243, 257 Roberts and other fine varmint cartridges.

► **H414™** This spherical powder gives excellent results in a wide range of uses, from the 22-250 Remington to the 375 H&H. It is simply ideal in the 30-06. As with all of our spherical powders, it delivers incredibly consistent charge weights through nearly any type of powder measure. H414 yields similar results to H4350 in most cartridges, although charge weights will vary.

► **H4350** The burning speed of this Extreme Extruded propellant has been known to shooters for decades. Over time, Hodgdon has modernized H4350 by shortening the grains for improved metering and making it insensitive to hot/cold temperatures. H4350 is great in cartridges such as the 243 Winchester, 6mm Remington, 270 Winchester, 338 Winchester Magnum and many more. For magnums with light to moderate weight bullets, it can't be beat!

► **HYBRID 100V™** This excellent new product is the result of combining the technologies of spherical powders and extruded propellants. The chemistry of a spherical powder is combined with the geometry of an extruded propellant, creating a smooth-metering, super short granule extruded shaped propellant with high energy. HYBRID 100V has a burn speed between H4350 and H4831, yielding superb performance in such popular calibers as 270 Winchester, 243 Winchester Super Short Magnum, 7mm Remington Magnum, 300 Winchester Magnum and dozens more.

► **H4831™** It is probably safe to say more big game has been taken with H4831 than any other powder. Bruce Hodgdon was the first supplier to introduce this popular burning rate in 1950. Since that time, it has become a favorite for cartridges like the 270 Winchester, 25-06 Remington, 280 Remington and 300 Winchester Magnum. As an Extreme Extruded propellant it shares the fine quality of insensitivity to hot/cold temperatures, as well as superb uniformity from lot to lot.

► **H4831SC™** Ballistically, this Extreme Extruded powder is the exact copy of H4831. Physically, it has a shorter grain size, therefore, the designation SC, or short cut. The shorter, more compact kernels allow the powder to flow through powder measures more smoothly, helping to alleviate the constant cutting of granules. With the smoother flow characteristics comes more uniform charge weights while the individual grains orient more compactly, creating better loading density.

► **H1000™** This very slow burning Extreme Extruded powder is perfect for highly over-bored magnums like the 7mm Remington Magnum, 7mm STW and the 30-378 Weatherby. In addition, with heavy bullets, H1000 gives top velocity and performance in such cartridges as the 6mm-284, 257 Weatherby, 270 Winchester, and 300 Winchester Magnum. In a short period of time this powder has achieved considerable notoriety among long range match shooters.

► **RETUMBO** This magnum powder was designed expressly for the really large over-bored cartridges such as the 7mm Remington Ultra Magnum, 300 Remington Ultra Magnum, 30-378 Weatherby Magnum, etc. RETUMBO adds 40-100 fps more velocity to these cartridges when compared to other normal magnum powders. In addition, it is an Extreme Powder, making it perfect for big game hunting under all types of conditions.

► **US869™** This spherical powder is superb with heavy bullets in big, over-bore, magnum rifle cartridges. Because it is very dense, it allows the shooter to use enough powder to create true magnum loads. US869 is also used in the 50 caliber BMG, where it yields high velocity and great accuracy with 750 and 800 grain projectiles. A truly great 1000-yard competition propellant.

► **H50BMG** As the name implies, this new generation Extreme Extruded rifle propellant is a clean burning powder designed expressly for the 50 caliber BMG cartridge. Because it shares the same technology as VARGET, H50 BMG displays a high degree of thermal stability in temperature extremes. Tests have conclusively proven that H50BMG yields very low extreme spreads in velocity and pressure. All this translates into small groups at extended ranges!

Smokeless Pistol & Shotgun Powders

In Order of Approximate Burning Rate

Hi-Skor 700-X This extruded flake powder is ideally suited for shotshells in 12 and 16 gauge where clay target and light field loads are the norm. It doubles as an excellent pistol target powder for such cartridges as the 38 Special and 45 ACP and many more.

TRAIL BOSS Trail Boss was designed specifically for low velocity lead bullets suitable for Cowboy Action shooting. It is primarily a pistol powder but has some application in rifles. It is based on a whole new technology that allows very high loading density, good flow through powder measures, stability in severe temperature variation, and, most importantly, additional safety to the handloader.

PB PB is great for Trap, Skeet, and Sporting Clays where heavy 1 ounce and 1-1/8 ounce loads are needed. In pistol it yields top performance in target and plinking loads for such cartridges as the 40 S&W, 45 Auto, etc. The small extruded grains deliver metering that is always super uniform.

SR7625 SR7625 covers the wide range of shotshells from 10 gauge to 28 gauge in both target and field loadings. The versatile powder is equally useful in a large array of handgun cartridges for target, self-defense, and hunting loads.

Hi-Skor 800-X This large-grained flake powder is at its best when used in heavy field loads from 10 gauge to 28 gauge. In handgun cartridges 800-X performs superbly in cartridges like the 10mm auto and 44 Remington Magnum. Excellent velocity and uniformity translate into top accuracy.

SR 4756 This fine-grained, easy-metering propellant has long been a favorite of upland and waterfowl handloaders. Top velocities with great patterns are legendary. Like 800-X, SR 4756 performs extremely well in the big handgun cartridges. Always a top choice.

SR 4759 This bulky powder really shines as a reduced load propellant for rifle cartridges. Its large grain size gives good loading density for reduced loads, enhancing velocity uniformity.

IMR 4227 This is the Magnum Pistol Powder in the IMR lineup. If it says Magnum, IMR 4227 is the choice for true magnum velocities and performance. In rifles this powder delivers excellent velocity and accuracy in such cartridges as the 22 Hornet and 221 Fireball.

Smokeless Rifle Powders

In Order of Approximate Burning Rate

IMR4198 This fast burning rifle powder gives outstanding performance in cartridges like the 222 Remington, 221 Fireball, 45-70, and 450 Marlin. Varmint shooters with small-bore cartridges love it. Proven metering and necessary elements were added to make it extremely insensitive to hot/cold temperatures. H4198 is outstanding in cartridges like the 222 Remington, 444 Marlin and 7.62 X 39.

IMR 3031 A propellant with many uses, IMR3031 has long been a favorite of 308 Match shooters using 168-grain match bullets. It is equally effective in small-capacity varmint cartridges from 223 Remington to 22-250 Remington, and it's a great 30-30 Winchester powder.

IMR 4895 Originally a military powder featured in the 30-06, IMR 4895 is extremely versatile. From the 17 Remington to the 243 Winchester to the 375 H&H Magnum, accuracy and performance are excellent. In addition, it is a longtime favorite of Match shooters.

IMR 4064 The most versatile propellant in the IMR line, used for 223 Remington, 22-250 Remington, 220 Swift, 6mm Remington, 243 Winchester Super Short Magnum, 308 Winchester, 338 Winchester Magnum, and the list goes on and on. Versatility with uniformity and accuracy.

IMR 4320 Short granulation, easy metering, and perfect for the 223 Remington, 22-250 Remington, 250 Savage, and other medium burn rate cartridges. Long a top choice for the vintage 300 Savage cartridge as well.

IMR 4007 SSC Super Short granulated powder with a burn speed that falls between 4320 and 4350. Ideally suited for varmint cartridges like the 220 Swift, 22-250 Remington and 243 Winchester. Additionally, well suited for the venerable 30-06, the 300 Winchester Short Magnum, and the Super Short Magnums 243 and 25 Winchester.

IMR 4350 The number one choice for the new short magnums, both Remington and Winchester versions. For magnums with light to medium bullet weights, IMR 4350 is the best choice.

IMR 4831 Slightly slower in burn speed than IMR4350, IMR 4831 gives top velocities and performance with heavier bullets in medium-sized magnums.

IMR 7828 The BIG magnum powder. This slow burner gives real magnum performance to the large over-bored magnums, such as the 300 Remington Ultra Magnum, the 30-378 Weatherby Magnum, and the 7mm Remington Ultra Magnum. This powder is highly regarded by most magnum aficionados.

IMR 7828SSC This magnum rifle powder has exactly the same burn rate as standard IMR 7828 and uses the same data. However, due to the super short kernels, metering is virtually as good as a spherical powder. This allows up to 4% more powder space in the case and in many loads yields more velocity than standard 7828. Such loads are marked with an asterisk in the data to show where standard 7828 will not fit.

Smokeless Pistol & Shotgun Powders

In Order of Approximate Burning Rate

WAALITE Superb 12 gauge spherical powder, designed for clean burning, reduced velocity loads for 7/8 oz., 1 oz. and 1-1/8 oz. loadings. This is the same powder used in Winchester's 26 gram, 980 fps, featherlight load. For 7/8, 1 and 1-1/8 ounce loads, we produced data from 970 to 1145 fps, perfect for ladies, new shooters or shooters who are recoil sensitive.

WST The choice for 12 gauge AA duplicate handloads and standard velocity handgun loads. Ideal for use in 45 Auto match applications. Consistent, clean, low flash and smoke are benefits to the shooter.

231 One of the most popular reload propellants, 231 is a pistol powder ideally suited to the 38 Special, 45 Auto, and 9mm standard loads. Consistency, clean burning, low flash, and a broad range of applications make this a powder of choice for any pistol cartridge reloader.

SUPER HANDICAP Super Handicap is the same propellant used in Winchester's Super Handicap ammunition. This slow-burning, high energy propellant gives the shooter great handicap or long range sporting clays loads at up to 1250 fps with a 1-1/8 ounce shot charge. Great velocity with excellent patterns!

WSF Super-Field propellant is the propellant of choice for Winchester 20 gauge AA Target loads. WSF is an ideal choice to maximize velocities in 12 gauge 1-1/8 ounce and 1-1/4 ounce loads. Super-Field also performs well in 38 Super, 9mm, and 40 S&W pistol loads. Excellent propellant for action pistol applications.

296 This propellant was developed for Winchester factory-loaded ammunition for 357 Magnum, 444 Magnum, and 410 Bore. Its high loading density provides optimal velocity. 296 is recommended by Winchester for 410 Bore AA loads.

Smokeless Rifle Powders

In Order of Approximate Burning Rate

748 748 is the powder of choice for 223 Remington ammunition. The low flame temperature of 748 extends barrel life compared to other similar speed powders. It is ideal for a wide variety of centerfire rifle loads, including 222 Remington, 30-30 Winchester, 308 Winchester, and up to 485 Winchester Magnum.

760 Combine Winchester components with 760 to duplicate 30-06 Springfield factory load ballistics. 760 has ideal flow characteristics that give it an advantage over other propellants with similar burn rates. 760 is recommended as an excellent choice for 22-250 Remington, 300 Winchester Magnum, as well as 300 WSM.

SUPREME 780™ Supreme 780 is a magnum, spherical powder that is used in many of Winchester's factory cartridges. To name a few, it is loaded in 243 Winchester, 270 Winchester and 300 Winchester Magnum. Smooth metering, excellent accuracy and top velocities make this the premier medium to magnum spherical powder for reloading.



Shotgun Usage

Hodgdon Smokeless Propellant

	TARGET				LIGHT FIELD				HEAVY FIELD						
	12 GA	20 GA	28 GA	410 BORE	12 GA	16 GA	20 GA	28 GA	410 BORE	10 GA	12 GA	16 GA	20 GA	28 GA	410 BORE
CLAYS	X				X										
TITEWAD	X				X										
INTERNATIONAL	X	X			X		X								
TITEGROUP	X				X										
UNIVERSAL	X	X	X		X	X	X	X							
HS-6			X			X	X	X			X				
LONGSHOT	X	X	X							X	X	X	X	X	
H110				X					X						X
Lit' GUN				X					X					X	X

IMR Smokeless Propellant

	TARGET				LIGHT FIELD				HEAVY FIELD						
	12 GA	20 GA	28 GA	410 BORE	12 GA	16 GA	20 GA	28 GA	410 BORE	10 GA	12 GA	16 GA	20 GA	28 GA	410 BORE
Hi-Skor 700-X	X				X	X									
Hi-Skor 800-X	X	X	X		X	X	X	X		X	X	X	X	X	
PB	X	X			X	X	X				X	X	X		
SR7625	X	X	X		X	X	X	X		X	X	X	X		
SR4756		X	X		X	X	X	X		X	X	X	X		
IMR 4227				X					X						X

Winchester Smokeless Propellant

	TARGET				LIGHT FIELD				HEAVY FIELD						
	12 GA	20 GA	28 GA	410 BORE	12 GA	16 GA	20 GA	28 GA	410 BORE	10 GA	12 GA	16 GA	20 GA	28 GA	410 BORE
WAALITE	X				X										
WST	X				X										
SUPER HANDICAP	X				X										
WSF	X	X			X	X					X				
296				X					X						X



Pistol Usage

Hodgdon Smokeless Propellant

	TARGET	LIGHT DUTY	MEDIUM DUTY	MAGNUM
	CLAYS	X	X	
TITEGROUP	X	X		
UNIVERSAL	X	X	X	
HP-38	X	X	X	
HS-6		X	X	
H110			X	X
H4227			X	X
Lit' GUN			X	X

IMR Smokeless Propellant

	TARGET	LIGHT DUTY	MEDIUM DUTY	MAGNUM
	Hi-Skor 700-X	X	X	
TRAIL BUSS	X	X		
Hi-Skor 800-X	X	X	X	
PB	X	X		
SR7625	X	X		
SR4756	X	X		
SR4756			X	X
IMR 4227			X	X

Winchester Smokeless Propellant

	TARGET	LIGHT DUTY	MEDIUM DUTY	MAGNUM
	WST	X	X	
WSF	X	X		
231	X	X	X	
296			X	X



Rifle Usage

Hodgdon Smokeless Propellant

	TARGET	SILHOUETTE	LIGHT	MEDIUM	MAGNUM	50 CAL.
H4227			X			
Lil' Gun			X			
H4198	X		X			
H322	X	X	X	X		
BENCHMARK	X	X	X	X		
H335	X	X	X	X		
H4895	X	X	X	X		
VARGET	X	X	X	X		
BL-C(2)	X	X	X	X		
H380		X				
H414		X		X		
H4350		X		X	X	
HYBRID 100V		X		X	X	
H4831				X	X	
H4831 SC				X	X	
H1000				X	X	
RETUMBO					X	
US869					X	X
H50BMG					X	X

IMR Smokeless Propellant

	TARGET	SILHOUETTE	LIGHT	MEDIUM	MAGNUM	50 CAL.
TRAIL BOSS	X		X			
IMR4227			X			
SR4759			X			
IMR4198	X		X			
IMR3031	X	X	X	X		
IMR4895	X	X	X	X		
IMR4064	X	X	X	X		
IMR4320	X	X	X	X		
IMR4007SSC		X		X	X	
IMR4350		X		X	X	
IMR4831				X	X	
IMR7828				X	X	
IMR7828SSC				X	X	

Winchester Smokeless Propellant

	TARGET	SILHOUETTE	LIGHT	MEDIUM	MAGNUM	50 CAL.
SUPREME 780		X		X	X	
748	X	X	X	X		
760		X	X	X	X	

Relative Burn Rate

From Fastest to Slowest

1 NORMA R1	41 Accurate Arms No. 7	81 Hodgdon VARGET
2 Winchester WAALite	42 Hodgdon LONGSHOT	82 Winchester 748
3 Vihtavouri N310	43 Alliant 410	83 Hodgdon BL-C(2)
4 Alliant e3	44 Alliant 2400	84 Hodgdon H380
5 Hodgdon TITWAD	45 Accurate Arms No. 9	85 IMR, Co IMR4007SSC
6 Alliant Red Dot	46 NORMA R123	86 Vihtavouri N540
7 Hodgdon CLAYS	47 Vihtavouri N110	87 Winchester 760
8 IMR, Co Hi-Skor 700-X	48 Hodgdon LIL' GUN	88 Hodgdon H414
9 Alliant Bullseye	49 Hodgdon H110	89 Vihtavouri N150
10 Hodgdon TITEGROUP	50 Winchester 296	90 Accurate Arms 2700
11 Alliant American Select	51 IMR, Co IMR 4227	91 IMR, Co IMR4350
12 Accurate Arms Solo 1000	52 Hodgdon H4227	92 Hodgdon H4350
13 Alliant Green Dot	53 IMR, Co SR4759	93 Accurate Arms 4350
14 IMR, Co Trial Boss	54 Accurate Arms 1680	94 NORMA 204
15 Winchester Super Handicap	55 NORMA 200	95 Hodgdon HYBRID 100V
16 Hodgdon INTERNATIONAL	56 Alliant Reloder 7	96 Vihtavouri N550
17 IMR, Co PB	57 IMR, Co IMR4198	97 Alliant Reloder 19
18 Vihtavouri N320	58 Hodgdon H4198	98 IMR, Co IMR4831
19 Winchester WST	59 Vihtavouri N120	99 Accurate Arms 3100
20 Accurate Arms No. 2	60 Hodgdon H322	100 Vihtavouri N160
21 IMR, Co SR 7625	61 Accurate Arms 2015BR	101 Hodgdon H4831 & H4831SC
22 Hodgdon HP-38	62 Vihtavouri N130	102 Winchester Supreme 780
23 Winchester 231	63 IMR, Co IMR3031	103 NORMA MRP
24 Alliant 20/28	64 Vihtavouri N133	104 Alliant Reloder 22
25 Alliant Unique	65 Hodgdon BENCHMARK	105 Vihtavouri N560
26 Hodgdon UNIVERSAL	66 Hodgdon H335	106 Vihtavouri N165
27 Alliant Power Pistol	67 Accurate Arms 2230	107 IMR, Co IMR7828
28 Vihtavouri N330	68 Accurate Arms 2460	108 Vihtavouri N170
29 Alliant Herco	69 Hodgdon H4895	109 Hodgdon H1000
30 Winchester WSF	70 Vihtavouri N530	110 Hodgdon RETUMBO
31 Vihtavouri N340	71 IMR, Co IMR4895	111 Vihtavouri N570
32 IMR, Co Hi-Skor 800-X	72 Vihtavouri N135	112 Accurate Arms 8700
33 IMR, Co SR4756	73 Alliant Reloder 12	113 Hodgdon H870
34 Accurate Arms No. 5	74 IMR, Co IMR4320	114 Vihtavouri 24N41
35 Hodgdon HS-6	75 Accurate Arms 2495BR	115 Hodgdon H50BMG
36 Vihtavouri 3N37	76 IMR, Co IMR4064	116 Hodgdon US869
37 Vihtavouri N350	77 NORMA 202	117 Vihtavouri 20N29
38 Hodgdon HS-7	78 Accurate Arms 2520	
39 Vihtavouri 3N38	79 Alliant Reloder 15	
40 Alliant Blue Dot	80 Vihtavouri N140	

RIFLE data

Introduction to Reloading Data

At the time of this writing, the new Hodgdon Basic Manual represents the most up-to-date listing of loading data available. All data is arranged with bullets from lightest to heaviest and powders listed with burning rates from slowest to fastest for quick and easy use. Each cartridge is conveniently indexed for rapid location.

Primarily, the data for this edition was developed through the use of pressure barrels. All loads for standard U.S. cartridges adhere to the guidelines provided by the Sporting Arms and Ammunition Manufacturers' Institute (S.A.A.M.I.). Maximum loads for wildcat cartridges and cartridges not covered by S.A.A.M.I. were obtained by visual case head signs such as flat or cratered primers, difficult extraction and measured case heads.

Pressures were gauged by one of two methods, mechanically with Copper Units of Pressure (CUP), or electronically with a transducer as Pounds per Square Inch (PSI). CUP is determined by using a copper slug called a "crusher." The crusher is placed in a fixture over the chamber where a hole passes through the barrel to the chamber. When the cartridge is fired, gases swell and cause the crusher to flatten. The results are compared to a Tarage Table and converted to pressure in CUP. The electronic method utilizes a force transducer, which rests against the cartridge in the chamber. When the cartridge is fired, the gases cause the brass to expand against the force transducer and the results are measured in pounds per square inch (PSI). The two systems do not provide the same maximum number for each cartridge, so no correlation can be made between systems. However, each cartridge has a standard for both systems, and therefore, actual maximums are physically the same.

When working up a load, the reloader should always begin with the starting load, advance in small increments, watch for pressure signs and begin again if changing components. Generally, the best powder choice is the one which most nearly fills the case for the intended velocity. Most cartridges have only a certain number of appropriate powders. Those cartridges that are more versatile can use a wider range of burning speeds. For others, lesser numbers of propellants will give optimum results.

Most often, slower burning powders are more suitable with heavy bullets, while faster powders are better with lighter bullets. Of course, most reloaders like a powder that delivers near-maximum or maximum results throughout the range of bullets, but that is not always obtainable, since some cartridges (like the 30-06) have too wide a range of bullets for any one burning rate to be ideal.

The reloader that seriously loads for any given rifle/pistol will choose different components (primers, powders, bullets, cases) in varying combinations to obtain the best overall performance and accuracy. After all, the reloader reloads to save money, but he also reloads to improve accuracy and performance, creating special loads he cannot find on the dealers' shelves.

Warnings

NEVER Exceed the Loads Listed in This Publication

For all powders use only the components shown. If the reloader makes any changes in components or gets new lot numbers, he should begin again with the starting loads and work up to maximum cautiously.

For those loads listed where a starting load is not shown, start 10% below the suggested maximum load and then approach maximums carefully, watching for any sign of pressure (difficult extraction, cratered and flattened or blown primers, and unusual recoil).

For plated bullets such as the fine line of Berry's Bullets, use existing lead data for the same weight plated bullet.

***40 S&W:** This data is intended for use in firearms with barrels which fully support the cartridge in the chamber. Use of this data in firearms which do not fully support the cartridge may result in bulged cases, ruptured cases, case head separation, or other conditions **which may result in damage to the firearm and/or result in injury or death of the shooter and/or bystanders.**

Brands

BAR	- Barnes
BTB	- Beartooth Bullets
BERB	- Berry's Bullets
BER	- Berger
BLX	- Bull-X
CPB	- Cast Performance Bullets
FA	- Freedom Arms
HDY	- Hornady
LY	- Lyman
MEI	- Meister
NOS	- Nosler
REM	- Remington
SIE	- Sierra
SFT	- Swift
SPR	- Speer
WDLGH	- Woodleigh
WIN	- Winchester

Data

C - Compressed Powder Charge

Primers

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

Bullets

AB	- Accu-Bond
A-Max	- Hornady Match
BK	- Blitz King
BR	- Bench Rest
BT	- Ballistic Tip
BTSP	- Boat Tail Spire Point
FMC	- Full Metal Case
FMJ	- Full Metal Jacket
FMJBT	- Full Metal Jacket Boat Tail
FN	- Flat Nose
FP	- Flat Point
FPJ	- Full Plated Jacket
FS	- Fail Safe
GC	- Gas Check
GDHP	- Gold Dot Hollow Point
GDSP	- Gold Dot Soft Point
GS	- Grand Slam
HB	- Hollow Base
HC	- Hollow Cavity
HP	- Hollow Point
HPBT	- Hollow Point Boat Tail
HSP	- Hollow Soft Point
IB	- Inter Bond
JFP	- Jacketed Flat Point
JHC	- Jacketed Hollow Cavity
JRN	- Jacketed Round Nose
JSP	- Jacketed Soft Point
JSWC	- Jacketed Semi-Wadcutter
LBBWC	- Lead Bevel Base Wadcutter
LCN	- Lead Conical Nose
LFN	- Lead Flat Nose
LFNPB	- Lead Flat Nose Plain Base
LFP	- Lead Flat Point
LHBWC	- Lead Hollow Base Wadcutter

LRN	- Lead Round Nose
LSWC	- Lead Semi-Wadcutter
MC	- Metal Case
MK	- Match King
MRX	- Maximum Range X Bullet
MT-SP	- Mag Tip Soft Point
PART	- Partition
PSPCL	- Pointed Soft Point "Core-Lokt"
RN	- Round Nose
SB	- Solid Base
SBP	- Spitzer Boat Tail
SCIR	- Scirocco
SJ	- Short Jacket
SMP	- Semi-Pointed
SP	- Soft Point, Spitzer, Spire Point
SPBT	- Soft Point Boat Tail
SSP	- Single Shot Pistol
SST	- Super Shock Tip
ST	- Silvertip
SX	- Super Explosive
TMJ	- Totally Metal Jacket
TNT	- Varmint Bullet
TSX	- Triple Shock X Bullet
V-MAX	- Varmint Express
WC	- Wadcutter
W/GC	- With Gas Check
X	- X Bullet
XBT	- X Boat Tail
XBTC	- X Boat Tail Coated
XFB	- X Flat Base
XPB	- X Pistol Bullet
XTP	- Extreme Terminal Performance

*Max loads that show an asterik following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
17 REMINGTON FIREBALL CASE: REMINGTON				
BBL: 24" PR: REMINGTON 7 1/2				
20 GR. HDY V-MAX COL: 1.830"				
H335	20.5	4027	50,000 CUP	
Benchmark	20.0C	4013	49,100 CUP	
H322	19.5C	4019	49,200 CUP	
H4198	17.3	4037	47,800 CUP	
IMR 4198	16.7	4017	50,600 CUP	
25 GR. HDY HP COL: 1.800"				
H335	19.4	3744	50,400 CUP	
Benchmark	19.0	3745	48,500 CUP	
H322	18.3	3704	48,900 CUP	
H4198	17.0	3789	49,900 CUP	
IMR 4198	16.2	3692	50,000 CUP	
30 GR. BER HP COL: 1.800"				
H335	18.8	3512	49,000 CUP	
Benchmark	18.7C	3569	49,400 CUP	
H322	18.0	3533	49,300 CUP	
H4198	15.9	3481	50,400 CUP	
IMR 4198	15.8	3456	49,000 CUP	
17 REMINGTON CASE: REMINGTON				
BBL: 24" PR: REMINGTON 7 1/2				
25 GR. HDY HP COL: 2.150"				
H414	27.0	3989	48,300 CUP	
H380	26.0	3950	46,100 CUP	
Varget	24.5	4123	50,800 CUP	
BL-C(2)	24.0	4051	49,000 CUP	
H335	21.0	3963	51,300 CUP	
H4895	23.0	4033	48,500 CUP	
Benchmark	23.3	4038	50,600 CUP	
H322	21.8	3921	49,700 CUP	
760	27.0	3989	48,300 CUP	
17 REMINGTON (IMR) CASE: REMINGTON				
BBL: 24" PR: REMINGTON 7 1/2				
25 GR. REM HP COL: 2.100"				
IMR 4064	24.0C	4005	47,400 CUP	
IMR 4895	23.5	3995	51,400 CUP	
IMR 3031	22.5	4015	51,700 CUP	
204 RUGER CASE: HORNADY				
BBL: 24" PR: FEDERAL 205M				
32 GR. HDY V-MAX COL: 2.250"				
Varget	29.0C	3798	47,400 PSI	
BL-C(2)	30.7	4081	55,500 PSI	
H335	28.3	4044	54,800 PSI	
H4895	29.0C	3980	51,100 PSI	
Benchmark	28.0	4047	57,100 PSI	
H322	27.5	4030	56,400 PSI	
35 GR. BER HP COL: 2.240"				
Varget	29.0C	3812	53,100 PSI	
BL-C(2)	30.7	3937	54,900 PSI	
H335	27.5	3915	56,600 PSI	
H4895	28.2C	3910	55,700 PSI	

BULLET	POWDER	GR	VEL	CUP
Benchmark	26.6	3863	56,600 PSI	
H322	26.3	3828	55,400 PSI	
40 GR. HDY V-MAX COL: 2.250"				
Varget	28.1C	3647	55,100 PSI	
BL-C(2)	30	3774	56,200 PSI	
H335	26.8	3738	56,700 PSI	
H4895	27.7C	3741	56,000 PSI	
Benchmark	25.7	3646	55,400 PSI	
H322	25.1	3639	55,900 PSI	
204 RUGER (IMR) CASE: HORNADY				
BBL: 24" PR: FEDERAL 205M				
32 GR HDY V-MAX COL: 2.250"				
IMR 4895	29.0C	3949	51,900 PSI	
IMR 4198	23.5	4006	55,400 PSI	
35 GR BER HP COL: 2.240"				
IMR 4064	27.5C	3728	51,000 PSI	
IMR 4895	28.3C	3864	55,500 PSI	
IMR 3031	26.1C	3793	52,800 PSI	
40 GR. HDY V-MAX COL: 2.240"				
IMR 4064	27.5C	3616	52,000 PSI	
IMR 4895	27.8C	3695	56,000 PSI	
IMR 3031	25.6C	3694	56,600 PSI	
22 HORNET CASE: WINCHESTER				
BBL: 24" PR: WINCHESTER SR				
35 GR. HDY V-MAX COL: 1.725"				
H4198	11.5C	2420	26,300 CUP	
H4227	11.6C	2896	42,500 CUP	
H110	12.3	3060	41,400 CUP	
Lil'Gun	13.0	2842	24,000 CUP	
45 GR. HDY SP COL: 1.750"				
H4198	11.5C	2400	32,000 CUP	
H4227	9.8	2484	42,000 CUP	
H110	10.4	2574	43,000 CUP	
Lil'Gun	13.0	2787	31,600 CUP	
22 HORNET (IMR) CASE: REMINGTON				
BBL: 24" PR: REMINGTON 6 1/2				
45 GR. HDY SP COL: 1.720"				
IMR 4198	10.5C	2010	20,100 CUP	
IMR 4227	11.5C	2515	38,900 CUP	
SR 4759	8.0C	2000	24,700 CUP	
222 REMINGTON CASE: WINCHESTER				
BBL: 24" PR: WINCHESTER SR				
40 GR. SIE HP COL: 2.125"				
H335	25.0	3371	44,600 CUP	
H4895	24.0C	3133	34,200 CUP	
Benchmark	25.0	3303	40,700 CUP	
H322	23.0	3313	44,000 CUP	
H4198	21.4	3480	45,700 CUP	
H4227	15.0	3040	45,100 CUP	
IMR 4198	21.2C	3583	48,700 PSI	
IMR 4227	16.0	3240	45,200 PSI	

BULLET	POWDER	GR	VEL	CUP
50 GR. HDY SP COL: 2.130"				
Varget	25.0C	3114	40,600 CUP	
BL-C(2)	25.0	3000	38,600 CUP	
H335	23.6	3120	45,700 CUP	
H4895	23.8C	3022	36,500 CUP	
Benchmark	24.0	3168	45,800 CUP	
H322	22.2	3079	43,200 CUP	
H4198	20.5	3160	44,200 CUP	
H4227	13.8	2668	44,000 CUP	
IMR 4320	25.0C	3100	47,600 PSI	
IMR 4064	23.5C	3065	46,200 PSI	
IMR 4895	24.0C	3106	47,400 PSI	
IMR 3031	22.4C	3156	47,800 PSI	
IMR 4198	19.3	3152	49,000 PSI	
222 REMINGTON (WIN) CASE: WINCHESTER				
BBL: 24" PR: WINCHESTER SR				
45 GR. SP COL: 2.130"				
748	25.5	3210	41,000 CUP	
50 GR. PSP COL: 2.130"				
748	24.0	2980	38,000 CUP	
223 REMINGTON CASE: WINCHESTER				
BBL: 24" PR: WINCHESTER SR				
40 GR. NOS BT COL: 2.280"				
Varget	28.0C	3674	47,200 CUP	
BL-C(2)	28.5	3612	45,400 CUP	
H335	28.0	3572	44,600 CUP	
H4895	27.5C	3573	44,500 CUP	
Benchmark	27.3	3666	51,000 CUP	
H322	25.5	3574	48,000 CUP	
H4198	22.5	3601	49,600 CUP	
IMR 4320	27.7C	3456	48,900 PSI	
IMR 4895	26.5C	3390	44,200 PSI	
IMR 3031	25.2C	3498	46,200 PSI	
IMR 4198	22.2	3652	53,400 PSI	
50 GR. SPR SP COL: 2.210"				
Varget	27.5C	3383	44,800 CUP	
BL-C(2)	28.0	3428	47,100 CUP	
H335	26.0	3393	51,700 CUP	
H4895	27.5C	3468	51,300 CUP	
Benchmark	26.5	3396	50,400 CUP	
H322	24.0	3301	49,300 CUP	
H4198	21.5	3223	45,900 CUP	
IMR 4320	27.5C	3270	48,900 PSI	
IMR 4895	26.7C	3211	45,200 PSI	
IMR 3031	25.0	3268	46,900 PSI	
IMR 4198	21.9	3352	52,100 PSI	
55 GR SPR SP COL: 2.200"				
Varget	27.5C	3384	49,700 CUP	
BL-C(2)	27.5	3313	48,500 CUP	
H335	25.3	3203	49,300 CUP	
H4895	26.0	3315	49,000 CUP	
Benchmark	25.6	3264	50,000 CUP	
H322	23.0	3106	48,900 CUP	

BULLET	POWDER	GR	VEL	CUP
H4198	21.0	3150	47,600 CUP	
IMR 4320	26.1C	3146	50,700 PSI	
IMR 4064	25.7C	3201	52,600 PSI	
IMR 4895	26.2C	3219	53,200 PSI	
IMR 3031	24.6C	3233	52,500 PSI	
IMR 4198	20.4	3122	53,600 PSI	
223 REMINGTON (WIN) CASE: WINCHESTER				
BBL: 24" PR: WINCHESTER SR				
50 GR. PSP COL: 2.120"				
748	26.0	3200	40,000 CUP	
53 GR. HP COL: 2.120"				
748	26.0	3200	43,500 CUP	
55 GR. FMJ COL: 2.120"				
748	26.2	3170	41,000 CUP	
22-250 REMINGTON CASE: WINCHESTER				
BBL: 24" PR: WINCHESTER LR				
40 GR. NOS BT COL: 2.350"				
H414	41.0	3933	47,100 CUP	
H380	41.0	3855	39,200 CUP	
Varget	39.5	4135	51,100 CUP	
H4895	37.0	4060	48,700 CUP	
Benchmark	36.5	4114	50,100 CUP	
IMR 4007 SSC	40.2C	3973	50,900 PSI	
IMR 4320	39.5	4201	62,600 PSI	
IMR 4064	38.5C	4187	60,500 PSI	
IMR 4895	39.0C	4189	60,200 PSI	
IMR 3031	36.3	4224	62,100 PSI	
760	41.0	3933	47,100 CUP	
50 GR. SIE SP COL: 2.350"				
H4350	42.0	3579	48,900 CUP	
H414	40.0	3765	48,600 CUP	
H380	41.0	3742	45,300 CUP	
Varget	37.5	3834	50,400 CUP	
BL-C(2)	34.5	3740	48,400 CUP	
H335	34.5	3753	48,700 CUP	
H4895	36.5	3827	50,200 CUP	
Benchmark	36.0	3903	51,400 CUP	
H322	32.0	3628	50,300 CUP	
IMR 4007 SSC	40.2C	3945	63,100 PSI	
IMR 4320	38.0	3864	62,800 PSI	
IMR 4064	37.0	3866	61,900 PSI	
IMR 4895	37.6	3862	61,500 PSI	
IMR 3031	35.0	3862	62,600 PSI	
760	40.0	3765	48,600 CUP	
55 GR. SPR SP COL: 2.350"				
H4350	39.0	3490	47,800 CUP	
H414	39.0	3582	46,700 CUP	
H380	41.0	3713	50,700 CUP	
Varget	36.5	3664	50,400 CUP	
BL-C(2)	34.0	3606	49,600 CUP	
H335	33.0	3589	51,100 CUP	
H4895	35.5	3670	49,300 CUP	
Benchmark	33.6	3674	50,200 CUP	

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

RIFLE data

*Max loads that show an asterisk following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
H322	30.0	3480	49,800	CUP
IMR 4007 SSC	39.0	3786	62,300	PSI
IMR 4320	36.5	3689	62,200	PSI
IMR 4064	36.3	3713	62,000	PSI
IMR 4895	36.5	3725	62,400	PSI
IMR 3031	34.1	3691	62,500	PSI
760	39.0	3582	46,700	CUP

220 SWIFT		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
40 GR. SIE HP				
COL: 2.680"				
H414	46.0	4213	51,600	CUP
H380	44.0	4124	50,000	CUP
Varget	40.5	4113	49,800	CUP
H335	40.0	4158	53,100	CUP
H4895	40.0	4126	52,000	CUP
IMR 4007 SSC	45.0C	4122	49,400	CUP
IMR 4064	40.0	4110	51,400	CUP
IMR 4895	40.5	4093	51,300	CUP
IMR 3031	38.5	4189	52,000	CUP
Supreme 780	47.5	3046	49,300	CUP
760	46.0	4213	51,600	CUP

50 GR. HDY SP		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
40 GR. SIE HP				
COL: 2.680"				
H414	44.0	3826	49,600	CUP
H380	43.5	3947	53,800	CUP
Varget	36.0	3770	50,200	CUP
BL-C(2)	38.0	3888	51,000	CUP
H4895	38.0	3840	51,200	CUP
IMR 4007 SSC	43.0	3922	52,500	CUP
IMR 4064	38.4	3905	53,000	CUP
IMR 4895	38.7	3868	52,900	CUP
IMR 3031	36.5	3877	53,100	CUP
760	44.0	3826	49,600	CUP

55 GR. HDY SP		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
40 GR. SIE HP				
COL: 2.680"				
H4831	46.0	3616	46,600	CUP
Hybrid 100V	42.0C	3627	52,600	CUP
H4350	42.0	3619	50,800	CUP
H414	44.0	3833	53,700	CUP
H380	42.5	3839	53,300	CUP
Varget	36.0	3645	51,900	CUP
BL-C(2)	36.0	3682	49,900	CUP
H4895	37.0	3698	52,000	CUP
IMR 4007 SSC	42.0	3771	52,900	CUP
IMR 4064	37.5	3742	52,500	CUP
IMR 4895	38.0	3739	53,000	CUP
IMR 3031	35.2	3687	52,700	CUP
760	44.0	3833	53,700	CUP

223 WINCHESTER SUPER SHORT MAGNUM		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
40 GR. NOS BT				
COL: 2.200"				
H414	50.5	4301	62,400	PSI
H380	49.3	4292	62,300	PSI
Varget	43.5	4278	63,800	PSI
BL-C(2)	46.2	4352	61,800	PSI

BULLET	POWDER	GR	VEL	CUP
H4895	43.0	4320	62,900	PSI
IMR 4007 SSC	49.0C	4089	55,900	PSI
IMR 4320	46.8	4319	62,500	PSI
IMR 4064	45.2	4362	62,500	PSI
IMR 4895	44.7	4289	60,600	PSI
IMR 3031	42.5	4334	63,400	PSI
760	50.5	4301	62,400	PSI

50 GR. BAR XLC		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
40 GR. SIE HP				
COL: 2.100"				
H4350	50.0C	4023	61,500	PSI
H414	49.0	3993	59,600	PSI
H380	48.0	4002	62,000	PSI
Varget	44.0	4015	61,800	PSI
BL-C(2)	46.0	4058	62,100	PSI
H4895	42.9	4021	62,700	PSI
IMR 4007 SSC	48.0C	3920	63,700	PSI
IMR 4320	44.8	3967	63,100	PSI
IMR 4064	43.9	4024	63,100	PSI
IMR 4895	44.0	4003	62,300	PSI
IMR 3031	41.2	3964	62,200	PSI
760	49.0	3993	59,600	PSI

55 GR. HDY V-MAX		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
40 GR. SIE HP				
COL: 2.200"				
H4831	49.0C	3743	62,600	PSI
Hybrid 100V	47.0C	3682	58,100	PSI
H4350	47.5	3881	63,100	PSI
H414	46.8	3886	63,000	PSI
H380	44.5	3787	62,600	PSI
Varget	40.5	3836	62,100	PSI
BL-C(2)	41.8	3841	62,800	PSI
H4895	39.0	3798	62,100	PSI
IMR 7828	51.0C*	3770	62,600	PSI
IMR 4831	48.5C	3782	61,800	PSI
IMR 4350	47.8C	3804	61,700	PSI
IMR 4007 SSC	46.0	3743	61,100	PSI
IMR 4320	42.5	3807	61,900	PSI
IMR 4064	41.8	3826	62,300	PSI
IMR 4895	41.5	3783	61,600	PSI
IMR 3031	38.7	3772	63,500	PSI
760	46.8	3886	63,000	PSI

243 WINCHESTER		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
40 GR. SIE HP				
COL: 2.625"				
H414	46.0	3568	49,800	CUP
H380	46.0	3567	48,900	CUP
Varget	40.5	3574	50,100	CUP
BL-C(2)	39.0	3384	50,400	CUP
H4895	39.5	3477	49,200	CUP
Benchmark	39.3	3491	50,300	CUP
IMR 4007 SSC	46.5	3515	50,900	CUP
IMR 4320	42.5	3541	50,300	CUP
IMR 4064	42.5	3541	50,000	CUP
IMR 4895	42.6	3558	50,000	CUP
IMR 3031	39.0	3485	51,100	CUP
Supreme 780	47.5	3046	49,300	CUP
760	46.0	3568	49,800	CUP

BULLET	POWDER	GR	VEL	CUP
80 GR. SIE BTSP				
COL: 2.635"				
H414	45.0	3404	50,100	CUP
H380	41.2	3223	50,300	CUP
Varget	38.5	3355	50,300	CUP
BL-C(2)	38.5	3242	50,600	CUP
H4895	38.0	3307	50,100	CUP
IMR 4007 SSC	45.0	3319	50,400	CUP
IMR 4320	40.5	3339	50,600	CUP
IMR 4064	41.0	3320	50,800	CUP
IMR 4895	40.2	3290	50,300	CUP
760	45.0	3404	50,100	CUP

100 GR. SPR BTSP		CASE: WINCHESTER		
BBL: 24"		PR: REMINGTON 9 1/2		
80 GR. REM PTD SP				
COL: 2.790"				
IMR 4831	48.0	3300	51,900	CUP
IMR 4350	46.0	3310	52,000	CUP
IMR 4320	40.0	3180	52,000	CUP
IMR 4064	41.0	3295	52,000	CUP
IMR 4895	36.5	3105	51,300	CUP
IMR 3031	39.5	3275	52,000	CUP
SR 4759	24.5	2640	50,600	CUP

6MM REMINGTON		CASE: WINCHESTER		
BBL: 24"		PR: REMINGTON 9 1/2		
100 GR. REM PTD SPCL				
COL: 2.650"				
H1000	47.0 C	3000	49,800	CUP
H4831	42.0	2924	50,100	CUP
Hybrid 100V	43.7C	3100	51,700	CUP
H4350	40.0	2973	51,000	CUP
H414	40.0	2963	50,600	CUP
H380	36.0	2770	50,100	CUP
Varget	33.7	2838	50,400	CUP
H4895	33.0	2818	50,100	CUP
IMR 7828	46.0C*	3009	51,100	CUP
IMR 4831	43.0	2947	50,800	CUP
IMR 4350	42.0	2958	50,100	CUP
IMR 4007 SSC	39.5	2905	50,400	CUP
IMR 4064	36.5	2902	51,100	CUP
IMR 4895	35.7	2862	50,100	CUP
760	40.0	2963	50,600	CUP

70 GR. SIE HPBT		CASE: WINCHESTER		
BBL: 24"		PR: REMINGTON 9 1/2		
80 GR. SPR SP				
COL: 2.775"				
H4350	50.5	3638	49,500	CUP
H414	48.5	3636	50,100	CUP
H380	46.5	3533	50,000	CUP
Varget	42.0	3550	50,000	CUP
H4895	42.0	3588	49,500	CUP
Benchmark	40.7	3575	49,700	CUP
760	48.5	3636	50,100	CUP

80 GR. SPR SP		CASE: WINCHESTER		
BBL: 24"		PR: REMINGTON 9 1/2		
100 GR. SPR BT				
COL: 2.775"				
H1000	50.0	3080	50,200	CUP
H4831	46.0	3042	50,700	CUP
H4350	42.5	2999	50,100	CUP
H414	42.0	2991	50,800	CUP
Varget	36.0	2933	50,200	CUP
H4395	35.0	2889	49,400	CUP
760	42.0	2991	50,800	CUP

BULLET	POWDER	GR	VEL	CUP
6MM REMINGTON (IMR)				
BBL: 22"				
CASE: REMINGTON				
PR: REMINGTON 9 1/2				
80 GR. REM PTD SP				
COL: 2.790"				
IMR 4831	48.0	3300	51,900	CUP
IMR 4350	46.0	3310	52,000	CUP
IMR 4320	40.0	3180	52,000	CUP
IMR 4064	41.0	3295	52,000	CUP
IMR 4895	36.5	3105	51,300	CUP
IMR 3031	39.5	3275	52,000	CUP
SR 4759	24.5	2640	50,600	CUP

100 GR. REM PTD SPCL		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
70 GR. NOS BT				
COL: 2.280"				
H4350	48.7C	3614	58,400	PSI
H414	49.0	3618	58,900	PSI
H380	48.0	3602	60,200	PSI
Varget	43.7	3655	63,400	PSI
BL-C(2)	46.2	3707	62,900	PSI
H4895	42.0	3618	62,500	PSI
IMR 4350	48.0C	3566	56,400	PSI
IMR 4007 SSC	48.0C	3616	59,800	PSI
IMR 4320	45.0	3663	62,600	PSI
IMR 4064	43.5	3672	61,900	PSI
IMR 4895	43.5	3681	62,100	PSI
IMR 3031	40.8	3627	62,400	PSI
760	49.0	3618	58,900	PSI

243 WINCHESTER SUPER SHORT MAGNUM		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
80 GR. SIE BTSP				
COL: 2.220"				
H4350	48.7C	3545	63,000	PSI
H414	48.0	3514	63,100	PSI
H380	46.7	3487	63,600	PSI
Varget	42.0	3462	63,300	PSI
BL-C(2)	43.5	3493	63,600	PSI
H4895	41.0	3409	62,500	PSI
IMR 4350	47.8C	3507	62,500	PSI
IMR 4007 SSC	47.0	3490	62,900	PSI
IMR 4320	43.8	3474	63,200	PSI
IMR 4064	42.2	3458	62,400	PSI
IMR 4895	42.0	3449	62,500	PSI
IMR 3031	39.0	3379	62,400	PSI
760	48.0	3514	63,100	PSI

100 GR. SPR BTSP		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
70 GR. NOS BT				
COL: 2.300"				
H4831	45.0	3058	63,000	PSI
Hybrid 100V	45.0C	3153	63,200	PSI

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

*Max loads that show an asterik following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
H4350	41.7	3074	62,300	PSI
H414	41.8	3059	62,100	PSI
H380	40.0	2989	62,400	PSI
Varget	36.6	2981	62,100	PSI
BL-C(2)	37.5	2980	62,500	PSI
H4895	35.5	2946	63,600	PSI
IMR 7828	47.0C*	3136	63,500	PSI
IMR 4831	44.2	3098	62,800	PSI
IMR 4350	43.5C	3104	62,600	PSI
IMR 4007 SSC	42.0	3067	62,000	PSI
IMR 4320	39.5	3046	63,300	PSI
IMR 4064	38.0	3029	62,300	PSI
IMR 4895	38.0	3020	61,900	PSI
Supreme 780	50.0	3117	60,100	PSI
760	41.8	3059	62,100	PSI

250-3000 SAVAGE		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
75 GR. HDY V-MAX		COL: 2.475"	
Varget	38.5	3254	43,200 CUP
BL-C(2)	37.5	3216	43,700 CUP
H335	35.0	3209	43,800 CUP
H4895	36.5	3256	43,500 CUP
Benchmark	33.0	3102	43,900 CUP

87 GR. SPR SP		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
COL: 2.450			
Varget	37.0	3074	43,200 CUP
BL-C(2)	36.5	3080	43,900 CUP
H335	34.0	2969	43,100 CUP
H4895	35.5	3068	43,700 CUP
Benchmark	32.5	2937	43,000 CUP

100 GR. HDY SP		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
COL: 2.450			
H4350	40.5C	2936	44,100 CUP
H414	37.2	2852	43,900 CUP
H380	37.0	2834	43,500 CUP
Varget	35.2	2877	43,700 CUP
H4895	33.5	2849	43,600 CUP

250-3000 SAVAGE (IMR)		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
87 GR. SIE SP		COL: 2.515"	
IMR 4350	39.0C	2905	39,500 CUP
IMR 4320	35.5	2975	45,000 CUP
IMR 4064	35.5	3075	45,000 CUP
IMR 4895	34.5	3000	44,900 CUP
IMR 3031	34.0	3055	44,200 CUP
SR 4759	20.5	2515	44,700 CUP

100 GR. HDY SP		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
COL: 2.515"			
IMR 4350	38.5C	2780	41,400 CUP
IMR 4320	34.5	2785	45,000 CUP
IMR 4064	34.5	2875	44,100 CUP
IMR 4895	34.0	2845	45,000 CUP
IMR 3031	33.0	2865	44,500 CUP
SR 4759	20.0	2290	43,700 CUP

BULLET	POWDER	GR	VEL	CUP
250-3000 SAVAGE (WIN) CASE: WINCHESTER				
BBL: 24" PR: WINCHESTER LR				
87 GR. SP		COL: 2.475"		
760	39.5	2985	43,500 CUP	
748	36.0	2940	41,000 CUP	
100 GR. SP		COL: 2.475"		
760	38.8	2820	42,000 CUP	
748	35.5	2820	43,500 CUP	

257 ROBERTS		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
75 GR. HDY HP		COL: 2.795"	
H4831	53.0	3307	37,500 CUP
H4350	50.0	3422	44,000 CUP
H414	52.0	3555	45,300 CUP
H380	48.0	3563	45,600 CUP
Varget	41.0	3453	43,700 CUP
BL-C(2)	46.0	3531	46,700 CUP
H335	46.0	3548	45,000 CUP
H4895	44.0	3561	47,300 CUP
Benchmark	41.7	3434	45,000 CUP
760	52.0	3555	45,300 CUP

90 GR. SIE HPBT		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
COL: 2.775"			
H4831	52.0	3236	39,500 CUP
H4350	46.0	3040	43,700 CUP
H414	50.0	3368	44,400 CUP
H380	47.0	3364	45,400 CUP
Varget	40.0	3269	44,900 CUP
BL-C(2)	43.5	3231	45,000 CUP
H335	43.0	3300	44,400 CUP
H4895	42.0	3372	47,600 CUP
760	50.0	3368	44,400 CUP

100 GR. SPR SPBT		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
COL: 2.770"			
H4831	49.0	3010	44,100 CUP
H4350	45.0	2970	45,400 CUP
H414	45.0	3098	44,500 CUP
H380	44.0	3108	46,600 CUP
VARGET	38.0	2981	44,900 CUP
BL-C(2)	39.0	2958	45,400 CUP
H335	39.0	3042	47,800 CUP
H4895	38.0	2990	46,100 CUP
760	45.0	3098	44,500 CUP

257 ROBERTS (IMR)		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
100 GR. SIE SP		COL: 2.775"	
IMR 4831	46.5	2950	44,300 CUP
IMR 4350	44.5	2930	44,600 CUP
IMR 4064	39.5	2945	44,800 CUP
IMR 4895	36.5	2850	45,000 CUP
120 GR. SIE HPBT		COL: 2.775"	
IMR 7828	47.0C	2745	43,900 CUP
IMR 4831	44.0	2810	45,000 CUP
IMR 4350	41.5	2780	45,000 CUP
IMR 4320	34.5	2615	44,800 CUP

BULLET	POWDER	GR	VEL	CUP
IMR 4064	35.5	2695	44,000	CUP
IMR 4895	33.5	2615	45,000	CUP
IMR 3031	33.0	2635	44,200	CUP

25-06 REMINGTON		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
90 GR. SIE HPBT		COL: 3.100"	
H1000	62.0 C	3330	47,500 CUP
H4831	58.0	3481	50,400 CUP
Hybrid 100V	54.0	3404	51,500 CUP
H4350	53.0	3370	50,700 CUP
H414	51.0	3315	50,200 CUP
Varget	45.0	3312	50,400 CUP
H4895	44.0	3257	51,000 CUP
Supreme 780	55.5	3229	50,000 CUP
760	51.0	3315	50,200 CUP

100 GR. NOS PART		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
COL: 3.200"			
H1000	59.7 C	3212	50,700 CUP
H4831	54.3	3172	51,400 CUP
Hybrid 100V	52.5	3295	51,800 CUP
H4350	50.0	3155	51,500 CUP
H414	47.0	3059	50,700 CUP
Varget	44.0	3125	51,400 CUP
H4895	43.0	3072	51,000 CUP
Supreme 780	55.5	3229	50,000 CUP
760	47.0	3059	50,700 CUP

120 GR. SFT SP		CASE: REMINGTON	
BBL: 24"		PR: FEDERAL 210	
COL: 3.150"			
Retumbo	60.0C	2991	50,300 CUP
H1000	55.5	2902	50,600 CUP
H4831	51.5	2856	51,200 CUP
Hybrid 100V	50.0	3009	51,200 CUP
H4350	47.5	2816	50,900 CUP
Varget	41.0	2755	51,900 CUP
H4895	40.0	2694	51,700 CUP
Supreme 780	53.0	2984	50,000 CUP

25-06 REMINGTON (IMR)		CASE: REMINGTON	
BBL: 24"		PR: FEDERAL 210	
87 GR. SIE SP		COL: 3.090"	
IMR 4831	59.0C	3560	52,200 CUP
IMR 4350	56.0	3495	52,100 CUP
IMR 4320	49.0	3410	53,000 CUP
IMR 4064	49.5	3500	52,000 CUP
IMR 4895	46.0	3395	53,000 CUP
IMR 3031	48.0	3500	53,000 CUP
SR 4759	32.0	2935	51,500 CUP

100 GR. SIE SP		CASE: REMINGTON	
BBL: 24"		PR: FEDERAL 210	
COL: 3.090"			
IMR 4831	56.0	3335	53,000 CUP
IMR 4350	53.5	3290	52,900 CUP
IMR 4320	45.5	3125	52,400 CUP
IMR 4064	47.5	3240	52,800 CUP
IMR 4895	43.0	3110	52,400 CUP
IMR 3031	45.5	3215	53,000 CUP
SR 4759	30.0	2660	52,100 CUP

BULLET	POWDER	GR	VEL	CUP
120 GR. SIE HPBT				
IMR 7828	55.0	3105	52,800	PSI
IMR 4831	50.0	2945	52,000	PSI
IMR 4350	48.5	2950	51,500	PSI
IMR 4320	43.0	2850	51,700	PSI
IMR 4064	43.5	2885	52,300	PSI
IMR 4895	40.5	2805	52,600	PSI
IMR 3031	40.5	2800	52,000	PSI
SR 4759	27.5	2315	52,000	PSI

25 WINCHESTER SUPER SHORT MAGNUM		CASE: WINCHESTER	
BBL: 24"		PR: WINCHESTER LR	
87 GR. SIE SP		COL: 2.300"	
H414	48.0	3342	58,200 PSI
H380	47.5	3363	62,200 PSI
Varget	44.0	3431	62,600 PSI
H4895	43.3	3456	62,300 PSI
IMR 4831	48.2C	3284	60,600 PSI
IMR 4350	47.0C	3276	58,500 PSI
IMR 4007 SSC	47.0	3353	61,300 PSI
IMR 4064	43.3	3412	60,700 PSI
IMR 4895	43.9	3452	61,700 PSI
760	48.0	3342	58,200 PSI

100 GR. SPR BT		CASE: REMINGTON	
BBL: 24"		PR: REMINGTON 9 1/2	
COL: 2.300"			
H4350	48.5 C	3233	61,300 PSI
H414	47.5	3221	60,800 PSI
H380	46.5	3190	62,800 PSI
Varget	42.8	3248	62,700 PSI
BL-C(2)	44.5	3264	58,900 PSI
H4895	41.5	3243	61,700 PSI
IMR 7828	49.5C*	3125	60,600 PSI
IMR 4831	48.0C	3183	62,900 PSI
IMR 4350	47.0C	3198	61,400 PSI
IMR 4007 SSC	45.5	3187	61,700 PSI
IMR 4320	43.0	3227	61,600 PSI
IMR 4064	42.0	3245	62,400 PSI
IMR 4895	42.5	3259	62,400 PSI
760	47.5	3221	60,800 PSI

120 GR. SFT SP		CASE: REMINGTON	
BBL: 24"		PR: FEDERAL 210	
COL: 2.330"			
H4831	48.0 C	2902	61,100 PSI
H4350	45.5 C	2981	62,400 PSI
H414	44.7	2985	63,100 PSI
H380	43.0	2900	61,200 PSI
Varget	39.0	2878	63,500 PSI
BL-C(2)	41.0	2908	62,200 PSI
H4895	37.7	2840	61,700 PSI
IMR 7828	47.8C*	2931	62,600 PSI
IMR 4831	45.2C	2910	63,600 PSI
IMR 4350	44.3C	2912	62,000 PSI
IMR 4007 SSC	42.0	2863	61,300 PSI
IMR 4320	39.2	2846	63,200 PSI
IMR 4064	38.5	2840	62,000 PSI
IMR 4895	39.0	2862	62,600 PSI
760	44.7	2985	63,100 PSI

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

RIFLE data

*Max loads that show an asterik following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
260 REMINGTON				
BBL: 24"				
CASE: REMINGTON PR: REMINGTON 9 1/2				
95 GR. HDY V-MAX				
H4350	49.7	3284	58,100 PSI	COL: 2.780"
H414	49.0	3313	58,600 PSI	
H380	47.0	3262	59,500 PSI	
Varget	42.0	3244	58,500 PSI	
BL-C(2)	43.5	3236	58,300 PSI	
H335	38.3	3114	58,000 PSI	
H4895	40.8	3225	58,500 PSI	
Benchmark	43.5	3391	59,600 PSI	
760	49.0	3313	58,600 PSI	
120 GR. SPR SP				
H1000	51.0 C	2810	49,300 PSI	COL: 2.780"
H4831	50.0 C	2954	59,200 PSI	
H4350	46.5	2960	58,200 PSI	
H414	45.5	2968	58,600 PSI	
H380	43.0	2844	58,100 PSI	
Varget	39.0	2877	58,300 PSI	
BL-C(2)	40.0	2840	58,900 PSI	
H335	36.7	2755	58,600 PSI	
H4895	38.0	2813	58,900 PSI	
Benchmark	40.0	2935	59,500 PSI	
760	45.5	2968	58,600 PSI	
140 GR. NOS PART				
H1000	50.5	2730	57,000 PSI	COL: 2.780"
H4831	45.7	2686	59,000 PSI	
H4350	42.0	2677	58,800 PSI	
H414	41.0	2656	58,800 PSI	
H380	40.0	2594	58,900 PSI	
Varget	36.0	2578	59,400 PSI	
BL-C(2)	36.6	2557	59,000 PSI	
H4895	34.3	2517	58,400 PSI	
760	41.0	2656	58,800 PSI	
260 REMINGTON (IMR)				
BBL: 24"				
CASE: REMINGTON PR: REMINGTON 9 1/2				
100 GR. SIE HP				
IMR 7828	49.0C	3025	53,300 PSI	COL: 2.700"
IMR 4831	46.5	3130	58,300 PSI	
IMR 4350	45.0	3120	57,500 PSI	
IMR 4320	39.0	3040	57,300 PSI	
IMR 4064	39.5	3095	57,000 PSI	
IMR 4895	38.0	3045	57,300 PSI	
IMR 3031	35.5	2995	57,100 PSI	
120 GR. SIE HP				
IMR 7828	47.0C	2895	57,800 PSI	COL: 2.780"
IMR 4831	44.0	2885	58,400 PSI	
IMR 4350	43.0	2885	58,000 PSI	
IMR 4320	37.5	2805	58,400 PSI	
IMR 4064	37.0	2805	57,700 PSI	
IMR 4895	36.0	2770	57,100 PSI	
IMR 3031	34.0	2720	57,600 PSI	
SR 4759	23.5	2280	57,600 PSI	

BULLET	POWDER	GR	VEL	CUP
140 GR. REM PSPCL				
COL: 2.780"				
IMR 7828	47.0C	2755	57,200 PSI	
IMR 4831	44.0	2715	57,000 PSI	
IMR 4350	43.0	2715	57,000 PSI	
IMR 4320	36.0	2600	57,600 PSI	
IMR 4064	36.0	2615	56,900 PSI	
IMR 4895	35.5	2605	57,600 PSI	
IMR 3031	32.5	2505	56,200 PSI	
SR 4759	23.0	2135	56,500 PSI	
6.5 X 55mm SWEDISH MAUSER				
CASE: WINCHESTER PR: WINCHESTER LR				
BBL: 24"				
120 GR. NOS BT				
COL: 3.000"				
H4831	49.5 C	2802	45,900 CUP	
H4350	46.0	2792	45,800 CUP	
H414	44.5	2783	46,000 CUP	
H380	44.3	2784	46,000 CUP	
Varget	39.0	2812	45,300 CUP	
H4895	37.8	2715	46,000 CUP	
760	44.5	2783	46,000 CUP	
140 GR. SPR SP				
COL: 3.030"				
H1000	51.5 C	2651	46,000 CUP	
H4831	47.0	2586	45,700 CUP	
H4350	44.0	2617	45,700 CUP	
H414	41.5	2565	45,600 CUP	
H380	40.5	2520	45,100 CUP	
Varget	36.0	2528	46,000 CUP	
H4895	35.8	2493	45,700 CUP	
760	41.5	2565	45,600 CUP	
6.5 X 55mm SWEDISH MAUSER (IMR)				
CASE: REMINGTON PR: REMINGTON 9 1/2				
BBL: 24"				
85 GR. SIE HP				
COL: 2.800"				
IMR 4350	51.0C	3230	43,700 CUP	
IMR 4320	45.5	3260	45,100 CUP	
IMR 4064	47.0	3350	45,000 CUP	
IMR 4895	46.0	3335	45,900 CUP	
IMR 3031	43.5	3310	46,000 CUP	
140 GR. SIE SPBT				
COL: 3.000"				
IMR 7828	47.5	2600	45,000 CUP	
IMR 4831	43.5	2530	45,800 CUP	
IMR 4350	42.5	2525	45,400 CUP	
IMR 4320	37.5	2465	45,500 CUP	
IMR 4064	37.5	2465	45,600 CUP	
IMR 4895	36.5	2430	45,000 CUP	
IMR 3031	34.5	2355	45,800 CUP	
264 WINCHESTER MAGNUM				
CASE: WINCHESTER PR: WINCHESTER LR				
BBL: 26"				
120 GR. SPR SP				
COL: 3.300"				
H1000	72.0	3185	49,000 CUP	
H4831	65.0	3369	52,100 CUP	
H4350	57.0	3190	52,900 CUP	

BULLET	POWDER	GR	VEL	CUP
140 GR. NOS PART				
COL: 3.260"				
H1000	68.0	3019	51,500 CUP	
H4831	61.0	3065	52,000 CUP	
H4350	53.0	2965	53,400 CUP	
264 WINCHESTER MAGNUM (IMR)				
CASE: REMINGTON PR: REMINGTON 9 1/2				
BBL: 24"				
100 GR. SIE HP				
COL: 3.100"				
IMR 4831	61.5	3360	53,600 CUP	
IMR 4350	60.0	3385	53,900 CUP	
IMR 4320	54.0	3325	54,000 CUP	
IMR 4064	51.5	3250	52,900 CUP	
IMR 4895	51.5	3295	52,900 CUP	
SR 4759	36.5	2845	53,900 CUP	
140 GR. SIE SPBT				
COL: 3.230"				
IMR 7828	65.0	3115	53,600 CUP	
IMR 4831	54.5	2875	53,600 CUP	
IMR 4350	52.5	2850	53,700 CUP	
IMR 4320	47.5	2745	53,900 CUP	
IMR 4064	46.0	2710	53,600 CUP	
IMR 4895	45.5	2715	53,600 CUP	
SR 4759	34.0	2400	54,000 CUP	
270 WINCHESTER				
CASE: WINCHESTER PR: WINCHESTER LR				
BBL: 24"				
130 GR. HDY SP				
COL: 3.180"				
H1000	64.0 C	3025	48,100 CUP	
H4831	60.0 C	3019	51,000 CUP	
Hybrid 100V	56.0C	3066	61,800 PSI	
H4350	54.3	3012	50,500 CUP	
H414	53.5	3003	50,800 CUP	
H380	49.8	2884	51,000 CUP	
Varget	46.0	2931	49,600 CUP	
H4895	45.0	2922	51,000 CUP	
IMR 7828	60.2	3085	50,300 CUP	
IMR 4831	55.8	3002	50,300 CUP	
IMR 4350	55.0	3028	49,900 CUP	
IMR 4007 SSC	51.5	2949	63,700 PSI	
IMR 4320	47.0	2916	50,200 CUP	
IMR 4064	47.5	2932	50,000 CUP	
IMR 4895	46.9	2957	50,600 CUP	
Supreme 780	60.0	3043	61,900 PSI	
760	53.5	3003	50,800 CUP	
140 GR. SFT SP				
COL: 3.280"				
H1000	63.0 C	2979	50,800 CUP	
H4831	58.0 C	2888	50,100 CUP	
Hybrid 100V	54.2C	2964	62,300 PSI	
H4350	52.0	2870	50,400 CUP	
H414	48.9	2788	49,800 CUP	
Varget	43.7	2772	50,500 CUP	
H4895	42.6	2768	50,600 CUP	
IMR 7828	57.2	2939	50,600 CUP	
IMR 4831	54.0	2896	50,700 CUP	
IMR 4350	53.2	2916	51,000 CUP	

BULLET	POWDER	GR	VEL	CUP
IMR 4320	44.5	2775	50,000 CUP	
IMR 4064	46.1	2828	50,800 CUP	
IMR 4895	45.6	2828	50,100 CUP	
Supreme 780	58.0	2925	60,100 PSI	
760	48.9	2788	49,800 CUP	
150 GR. HDY SP				
COL: 3.285"				
H1000	59.0 C	2831	51,000 CUP	
H4831	55.7	2804	51,200 CUP	
Hybrid 100V	52.0	2811	61,900 PSI	
H4350	49.0	2724	51,000 CUP	
H414	48.0	2706	51,200 CUP	
IMR 7828	56.8	2850	50,400 CUP	
IMR 4831	53.0	2815	50,900 CUP	
IMR 4350	51.6	2809	50,900 CUP	
IMR 4064	45.0	2719	50,700 CUP	
IMR 4895	44.5	2704	50,600 CUP	
Supreme 780	56.8	2774	61,200 PSI	
760	48.0	2706	51,200 CUP	
270 WINCHESTER SHORT MAGNUM				
CASE: WINCHESTER PR: WINCHESTER LRM				
BBL: 24"				
130 GR. HDY SP				
COL: 2.730"				
H1000	73.0C	3168	58,700 PSI	
H4831	67.0	3228	63,400 PSI	
Hybrid 100V	63.0C	3259	64,600 PSI	
H4350	60.5	3226	63,500 PSI	
H414	61.0	3235	62,700 PSI	
H380	59.5	3174	63,200 PSI	
Varget	54.0	3169	63,200 PSI	
IMR 7828	67.0	3201	63,000 PSI	
IMR 4831	63.5	3208	63,300 PSI	
IMR 4350	62.5	3230	63,000 PSI	
IMR 4007 SSC	59.5	3159	63,400 PSI	
IMR 4064	54.3	3140	63,800 PSI	
IMR 4895	54.0	3120	62,500 PSI	
Supreme 780	69.0	3273	62,800 PSI	
760	61.0	3235	62,700 PSI	
140 GR. SFT SP				
COL: 2.800"				
Returnbo	71.0C	3165	61,300 PSI	
H1000	70.0C	3137	63,500 PSI	
H4831	62.5	3085	63,000 PSI	
Hybrid 100V	60.0	3071	61,600 PSI	
H4350	58.0	3087	63,100 PSI	
H414	58.0	3068	62,600 PSI	
H380	56.5	3005	62,700 PSI	
IMR 7828	64.5	3081	61,900 PSI	
IMR 4831	61.5	3059	62,600 PSI	
IMR 4350	60.5	3081	62,200 PSI	
IMR 4007 SSC	57.5	3043	63,000 PSI	
Supreme 780	67.4	3163	63,000 PSI	
760	58.0	3068	62,600 PSI	
150 GR. HDY SP				
COL: 2.740"				
Returnbo	70.0C	3071	63,000 PSI	
H1000	67.5C	3001	62,800 PSI	

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

*Max loads that show an asterik following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
H4831	60.0	2962	63,100 PSI	
Hybrid 100V	59.0	2954	61,800 PSI	
H4350	56.5	2978	63,000 PSI	
H414	57.5	2991	63,200 PSI	
H380	54.5	2885	63,100 PSI	
IMR 7828	63.1	2952	63,200 PSI	
IMR 4831	59.3	2916	63,000 PSI	
IMR 4350	58.5	2934	62,200 PSI	
IMR 4007 SSC	56.0	2892	63,900 PSI	
Supreme 780	66.6	3066	58,400 PSI	
760	57.5	2991	63,200 PSI	

7MM-08 REMINGTON CASE: REMINGTON
BBL: 24" PR: REMINGTON 9 1/2

120 GR. NOS BT	COL: 2.800"
H4350	50.0 C 3039 44,600 CUP
H414	49.0 3023 47,600 CUP
H380	48.0 2977 43,400 CUP
Varget	45.0 3117 49,900 CUP
BL-C(2)	46.5 3109 50,100 CUP
H335	42.0 2984 49,400 CUP
H4895	43.7 3085 49,700 CUP
Benchmark	41.3 2968 49,000 CUP
IMR 4007 SSC	49.0C 3118 49,000 CUP
IMR 4320	44.7 3001 50,400 CUP
IMR 4064	43.9 3017 50,000 CUP
IMR 4895	44.0 3022 49,800 CUP
IMR 3031	41.0 2987 50,500 CUP
760	49.0 3023 47,600 CUP

140 GR. SFT SP	COL: 2.750"
H4350	48.0 C 2868 49,800 CUP
H414	46.0 2791 49,500 CUP
H380	45.7 2775 49,400 CUP
Varget	42.2 2819 49,800 CUP
BL-C(2)	42.5 2796 49,700 CUP
H335	37.5 2647 49,800 CUP
H4895	40.5 2769 49,700 CUP
Benchmark	38.3 2688 49,300 CUP
IMR 4350	46.5C 2826 50,000 CUP
IMR 4007 SSC	46.0 2847 49,600 CUP
IMR 4320	41.4 2749 49,800 CUP
IMR 4064	40.5 2770 50,300 CUP
IMR 4895	41.0 2752 49,600 CUP
IMR 3031	38.3 2695 49,600 CUP
760	46.0 2791 49,500 CUP

150 GR. SIE HPBT	COL: 2.800"
H4350	48.5 C 2823 50,300 CUP
H380	45.5 2748 49,900 CUP
Varget	41.3 2731 50,000 CUP
BL-C(2)	41.5 2699 49,600 CUP
H335	37.5 2605 49,900 CUP
H4895	40.5 2723 50,000 CUP
Benchmark	38.5 2667 50,200 CUP
IMR 4350	46.5C 2746 46,600 CUP
IMR 4007 SSC	45.5 2804 50,400 CUP

BULLET	POWDER	GR	VEL	CUP
IMR 4320	41.5	2711	49,400 CUP	
IMR 4064	40.3	2723	48,800 CUP	
IMR 4895	41.5	2737	50,700 CUP	
IMR 3031	38.5	2684	49,900 CUP	
760	46.5	2776	50,000 CUP	

7 X 57MM MAUSER CASE: WINCHESTER
BBL: 24" PR: WINCHESTER LR

120 GR. NOS BT	COL: 3.000"
H4831	52.5 C 2777 40,800 CUP
Hybrid 100V	48.0C 2806 41,700 CUP
H4350	51.0 C 2945 45,800 CUP
H414	51.0 2938 45,600 CUP
H380	47.5 2860 46,000 CUP
Varget	44.0 2979 46,000 CUP
H4895	42.0 2859 45,400 CUP
Benchmark	41.5 2863 46,000 CUP
760	51.0 2938 45,600 CUP

140 GR. NOS BT	COL: 3.000"
H4831	49.5 C 2719 46,000 CUP
Hybrid 100V	46.5C 2654 43,300 CUP
H4350	46.5 2682 46,000 CUP
H414	47.0 2715 46,000 CUP
H380	44.0 2614 46,000 CUP
Varget	37.7 2516 46,000 CUP
H4895	37.5 2530 45,800 CUP
Benchmark	38.0 2571 45,700 CUP
IMR 4007 SSC	44.5 2645 46,200 CUP
760	47.0 2715 46,000 CUP

168 GR. SIE HPBT	COL: 3.000"
H1000	52.0 C 2485 46,000 CUP
H4831	46.0 2393 43,900 CUP
Hybrid 100V	45.5C 2534 45,000 CUP
H4350	42.5 2378 44,100 CUP
H414	42.5 2378 45,000 CUP
H380	39.5 2272 44,500 CUP
Varget	37.5 2404 45,500 CUP
H4895	34.5 2211 42,600 CUP
IMR 4007 SSC	41.0 2472 44,900 CUP
760	42.5 2378 45,000 CUP

7 X 57MM MAUSER (IMR) CASE: REMINGTON
BBL: 24" PR: REMINGTON 9 1/2

130 GR. SPR SP	COL: 2.965"
IMR 4831	50.0C 2750 46,000 CUP
IMR 4350	47.0 2710 45,500 CUP
IMR 4320	37.5 2540 46,000 CUP
IMR 4064	41.0 2675 44,900 CUP
IMR 4895	36.5 2540 45,300 CUP
IMR 3031	38.0 2640 45,500 CUP
SR 4759	23.5 2055 46,000 CUP

145 GR. SPR SP	COL: 3.065"
IMR 4831	48.0C 2625 46,000 CUP
IMR 4350	47.0 2650 46,000 CUP
IMR 4320	36.0 2365 45,100 CUP

BULLET	POWDER	GR	VEL	CUP
IMR 4064	40.0	2555	45,300 CUP	
IMR 4895	35.0	2475	46,000 CUP	
IMR 3031	38.0	2530	46,000 CUP	
SR 4759	23.0	1835	45,100 CUP	

160 GR. SPR SP	COL: 3.250"
IMR 4831	47.5C 2540 45,600 CUP
IMR 4350	45.0 2510 45,800 CUP
IMR 4320	36.0 2295 45,200 CUP
IMR 4064	40.0 2480 46,000 CUP
IMR 4895	35.0 2325 45,800 CUP
IMR 3031	38.0 2430 45,800 CUP
SR 4759	22.5 1855 45,700 CUP

280 REMINGTON CASE: REMINGTON
BBL: 24" PR: REMINGTON 9 1/2

140 GR. NOS PART	COL: 3.230"
H4831	58.5 2927 48,500 CUP
Hybrid 100V	54.0C 2847 47,000 CUP
H4350	53.5 2918 48,500 CUP
H414	51.0 2867 47,900 CUP
Varget	45.5 2838 48,100 CUP
H4895	45.2 2830 48,400 CUP
760	51.0 2867 47,900 CUP

160 GR. SFT SP	COL: 3.240"
H1000	61.0C 2714 47,500 CUP
H4831	55.0 2660 49,500 CUP
Hybrid 100V	52.0C 2712 48,600 CUP
H4350	49.5 2610 48,900 CUP
H4895	41.5 2535 49,500 CUP
Supreme 780	56.7 2718 49,500 CUP
760	47.5 2558 49,700 CUP

280 REMINGTON (IMR) CASE: REMINGTON
BBL: 24" PR: REMINGTON 9 1/2

140 GR. SIE SP	COL: 3.230"
IMR 4831	56.5 3010 51,000 CUP
IMR 4350	53.5 2975 51,300 CUP
IMR 4320	43.0 2780 52,000 CUP
IMR 4064	47.0 2905 50,900 CUP
IMR 4895	43.5 2805 51,600 CUP
IMR 3031	44.5 2860 51,900 CUP
SR 4759	29.0 2335 51,800 CUP

154 GR. HDY SP	COL: 3.320"
IMR 4831	54.0 2880 51,600 CUP
IMR 4350	51.5 2830 51,600 CUP
IMR 4320	42.5 2660 51,100 CUP
IMR 4064	45.0 2725 51,400 CUP
IMR 4895	43.0 2685 51,500 CUP
IMR 3031	43.0 2705 51,100 CUP
SR 4759	28.0 2200 52,000 CUP

175 GR. HDY SP	COL: 3.310"
IMR 4831	51.0 2650 52,000 CUP
MR 4350	49.0 2625 52,000 CUP
IMR 4320	41.5 2505 51,900 CUP
IMR 4064	43.5 2535 52,000 CUP

BULLET	POWDER	GR	VEL	CUP
IMR 4895	41.5	2500	51,100 CUP	
IMR 3031	40.5	2460	50,700 CUP	
SR 4759	27.0	2030	51,500 CUP	

284 WINCHESTER CASE: WINCHESTER
BBL: 24" PR: WINCHESTER LR

120 GR. HDY V-MAX	COL: 2.825"
H4831	60.0C 3018 45,200 CUP
H4350	57.0C 3174 49,600 CUP
H414	54.8 3191 52,200 CUP
Varget	50.5 3158 52,200 CUP
H4895	48.0 3120 51,600 CUP
760	54.8 3191 52,200 CUP

150 GR. SFT SCIR	COL: 2.950"
H4831	59.0C 2852 50,100 CUP
H4350	54.7C 2913 52,300 CUP
H414	53.5 2968 50,900 CUP
Varget	48.7 2863 52,800 CUP
H4895	46.5 2818 52,300 CUP
760	53.5 2968 50,900 CUP

160 GR. BAR XFB	COL: 2.850"
H4831	55.0C 2624 50,800 CUP
H4350	51.0C 2667 52,600 CUP
H414	50.7 2657 51,900 CUP
VARGET	45.8 2595 52,900 CUP
H4895	43.5 2527 51,900 CUP

162 GR. HDY BTSP	COL: 2.970"
H4831	58.0C 2816 50,900 CUP
H4350	53.5C 2847 53,000 CUP
H414	52.5 2822 50,700 CUP
Varget	47.0 2764 52,500 CUP
H4895	44.2 2703 51,600 CUP
760	52.5 2822 50,700 CUP

284 WINCHESTER (IMR) CASE: WINCHESTER
BBL: 24" PR: WINCHESTER LR

130 GR. SPR SP	COL: 2.800"
IMR 4831	59.0C 3100 50,600 CUP
IMR 4350	57.0 3130 53,600 CUP
IMR 4320	46.0 2890 52,300 CUP
IMR 4064	50.0 3085 54,000 CUP
IMR 4895	45.0 2905 52,800 CUP
IMR 3031	48.0 3055 54,000 CUP
SR 4759	30.0 2425 51,900 CUP

130 GR. SPR SP	COL: 2.800"
IMR 4831	52.0C 2635 43,800 CUP
IMR 4350	52.0C 2720 47,700 CUP
IMR 4320	43.5 2635 53,900 CUP
IMR 4064	47.0 2760 53,700 CUP
IMR 4895	41.0 2584 53,500 CUP
IMR 3031	45.0 2660 52,700 CUP
SR 4759	27.5 2105 53,500 CUP

*Max loads that show an asterisk following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
280 ACKLEY IMPROVED				
BBL: 24"				
		CASE: NOSLER		
		PR: WINCHESTER LR		
COL: 3.330"				
140 GR. NOS BT				
H1000	64.0C	2972	58,700 PSI	
H4831	62.0C	3012	61,100 PSI	
H4350	55.5	3012	61,600 PSI	
H414	53.5	2991	62,200 PSI	
Varget	47.4	2903	60,400 PSI	
H4895	45.5	2876	61,600 PSI	
IMR 7828 SSC	59.8	2967	60,200 PSI	
IMR 4831	58.0	3025	60,900 PSI	
IMR 4350	55.4	2992	61,800 PSI	
IMR 4007 SSC	53.0	2936	60,100 PSI	
IMR 4064	46.5	2876	61,200 PSI	
IMR 4895	47.0	2870	60,500 PSI	
760	53.5	2991	62,200 PSI	
150 GR. BAR TSX				
H1000	61.0C	2826	56,900 PSI	
H4831	57.5C	2840	59,900 PSI	
H4350	52.7	2855	61,600 PSI	
H414	50.3	2818	60,100 PSI	
Varget	45.8	2750	60,900 PSI	
H4895	44.0	2716	59,900 PSI	
IMR 7828 SSC	57.5	2863	59,200 PSI	
IMR 4831	54.5	2881	60,800 PSI	
IMR 4350	54.5	2893	60,100 PSI	
IMR 4007 SSC	52.0	2843	61,600 PSI	
IMR 4064	47.0	2799	61,900 PSI	
IMR 4895	47.5	2805	62,000 PSI	
760	50.3	2818	60,100 PSI	
160 GR. NOS AB				
H1000	61.0C	2808	61,100 PSI	
H4831	57.5C	2812	62,000 PSI	
H4350	51.5	2747	60,700 PSI	
H414	50.5	2736	60,800 PSI	
Varget	46.0	2685	62,000 PSI	
H4895	43.5	2615	59,500 PSI	
IMR 7828 SSC	58.0	2849	61,300 PSI	
IMR 4831	55.5	2847	61,900 PSI	
IMR 4350	53.7	2813	61,600 PSI	
IMR 4007 SSC	50.8	2741	61,400 PSI	
IMR 4064	45.0	2668	61,400 PSI	
IMR 4895	45.8	2670	60,000 PSI	
760	50.5	2736	60,800 PSI	
7MM WINCHESTER SHORT MAG.				
BBL: 24"				
		CASE: WINCHESTER		
		PR: WINCHESTER LRM		
COL: 2.850"				
140 GR. NOS PART				
Returnbo	72.0 C	3046	54,300 PSI	
H1000	72.0 C	3091	59,000 PSI	
H4831	66.0	3116	62,000 PSI	
Hybrid 100V	63.5	3116	60,200 PSI	
H4350	61.5	3133	61,900 PSI	

BULLET	POWDER	GR	VEL	CUP
H414	60.8	3130	62,600 PSI	
H380	59.0	3062	63,300 PSI	
Varget	54.5	3063	62,600 PSI	
H4895	52.3	3024	63,000 PSI	
IMR 7828	68.2	3155	63,000 PSI	
IMR 4831	64.6	3149	62,600 PSI	
IMR 4350	63.2	3161	63,200 PSI	
IMR 4007 SSC	62.0	3129	63,400 PSI	
IMR 4320	54.3	3030	61,200 PSI	
IMR 4064	54.5	3058	62,900 PSI	
IMR 4895	55.0	3073	63,700 PSI	
Supreme 780	71.7	3160	59,900 PSI	
760	60.8	3130	62,600 PSI	
160 GR. SFT SP				
Returnbo	70.0 C	2958	59,800 PSI	
H1000	69.5 C	2956	62,800 PSI	
H4831	63.5	2921	62,600 PSI	
Hybrid 100V	62.5C	2956	61,600 PSI	
H4350	59.5	2918	62,200 PSI	
H414	58.7	2904	63,100 PSI	
H380	57.0	2832	61,900 PSI	
Varget	51.3	2823	62,100 PSI	
H4895	49.0	2762	62,600 PSI	
IMR 7828	65.0	2943	63,000 PSI	
IMR 4831	61.4	2907	62,100 PSI	
IMR 4350	61.7	2946	63,400 PSI	
IMR 4007 SSC	59.0	2884	61,900 PSI	
IMR 4320	52.5	2803	62,000 PSI	
Supreme 780	69.0	2968	60,900 PSI	
760	58.7	2904	63,100 PSI	
175 GR. SPR MAG TIP				
Returnbo	64.0 C	2800	61,200 PSI	
H1000	62.0 C	2764	63,100 PSI	
H4831	57.5	2733	63,900 PSI	
Hybrid 100V	58.5	2738	63,200 PSI	
H4350	52.5	2672	62,200 PSI	
H414	52.0	2636	61,300 PSI	
IMR 7828	63.0	2788	63,600 PSI	
IMR 4831	59.0	2729	61,900 PSI	
IMR 4350	58.0	2729	62,000 PSI	
Supreme 780	68.0	2850	60,500 PSI	
760	52.0	2636	61,300 PSI	
7MM REM. MAGNUM				
BBL: 24"				
		CASE: WINCHESTER		
		PR: WINCHESTER LR		
COL: 3.250"				
140 GR. NOS PART				
Returnbo	75.0 C	3107	49,400 CUP	
H1000	70.0	3036	50,600 CUP	
H4831	64.0	2950	50,200 CUP	
Hybrid 100V	63.0	3138	59,800 PSI	
H4350	59.0	2927	50,000 CUP	
H414	60.2	2967	49,300 CUP	
IMR 7828	69.0	3095	59,200 PSI	
IMR 4831	65.4	3053	59,400 PSI	
IMR 4350	62.8	3045	58,600 PSI	

BULLET	POWDER	GR	VEL	CUP
IMR 4007 SSC	60.0	3025	58,600 PSI	
Supreme 780	69.3	3134	58,000 PSI	
162 GR. HDY SPBT				
US869	80.0	2921	54,400 PSI	
Returnbo	73.5 C	2963	50,500 CUP	
H1000	70.0	2905	49,600 CUP	
H4831	64.0	2871	49,800 CUP	
Hybrid 100V	60.0	2922	59,500 PSI	
H4350	58.0	2799	49,400 CUP	
IMR 7828	65.0	2882	59,000 PSI	
IMR 4831	61.8	2877	59,500 PSI	
IMR 4350	60.0	2861	58,100 PSI	
Supreme 780	65.5	2953	59,700 PSI	
175 GR. NOS PART				
US869	77.0	2758	56,200 PSI	
Returnbo	68.0 C	2800	51,200 CUP	
H1000	64.5	2692	50,400 CUP	
H4831	58.0	2660	50,200 CUP	
Hybrid 100V	57.5	2740	58,200 PSI	
H4350	54.0	2617	51,400 CUP	
IMR 7828	61.0	2707	58,300 PSI	
IMR 4831	58.0	2710	58,700 PSI	
IMR 4350	57.0	2698	58,800 PSI	
Supreme 780	63.0	2789	58,800 PSI	
7MM WEATHERBY MAGNUM				
BBL: 24"				
		CASE: REMINGTON		
		PR: FEDERAL 215 M		
COL: 3.250"				
140 GR. SFT SP				
H1000	79.0 C	3273	49,900 CUP	
H4831	74.0	3258	54,000 CUP	
Hybrid 100V	66.0	3196	53,300 CUP	
H4350	68.5	3248	54,000 CUP	
IMR 7828	74.0	3326	55,100 CUP	
IMR 4831	69.5	3255	52,800 CUP	
IMR 4350	67.0	3261	53,100 CUP	
Supreme 780	72.0	3198	53,100 CUP	
160 GR. BAFI XFB				
H1000	75.0 C	2994	50,800 CUP	
H4831	70.0	2971	53,900 CUP	
Hybrid 100V	63.5 C	2888	50,700 CUP	
H4350	65.0	2950	53,900 CUP	
IMR 7828	69.0C*	2960	53,200 CUP	
IMR 4831	66.0	2926	53,600 CUP	
IMR 4350	64.0	2936	52,600 CUP	
175 GR. HDY SP				
US869	80.0	2862	45,200 CUP	
H1000	74.7 C	3022	54,000 CUP	
H4831	67.5	2895	53,400 CUP	
Hybrid 100V	62.0C	2826	52,600 CUP	
H4350	63.7	2899	53,600 CUP	
IMR 7828	67.5	2942	52,600 CUP	
IMR 4831	64.0	2880	53,000 CUP	
IMR 4350	63.0	2885	53,400 CUP	
Supreme 780	67.8	2873	51,400 CUP	

BULLET	POWDER	GR	VEL	CUP
7MM REM. ULTRA MAG.				
BBL: 24"				
		CASE: REMINGTON		
		PR: REMINGTON 9 1/2 M		
COL: 3.560"				
140 GR. BAR XBT				
US869	104.7	3275	62,400 PSI	
H50BMG	107.0 C	3271	62,400 PSI	
H870	106.0	3349	60,300 PSI	
Returnbo	96.5 C	3353	62,900 PSI	
H1000	95.0	3277	62,700 PSI	
H4831	87.0	3279	63,100 PSI	
160 GR. NOS PART				
US869	103.0	3192	62,900 PSI	
H50BMG	100.0	3144	63,400 PSI	
Returnbo	94.0	3212	62,800 PSI	
H1000	91.0	3167	63,500 PSI	
175 GR. SFT SP				
US869	102.0	3077	63,000 PSI	
H50BMG	96.0	3019	63,100 PSI	
Returnbo	91.5	3069	63,400 PSI	
H1000	87.0	3021	63,500 PSI	
7MM REM. ULTRA MAG. (IMR)				
BBL: 24"				
		CASE: REMINGTON		
		PR: FEDERAL 215		
COL: 3.600"				
140 GR. NOS PART				
IMR 7828	88.6	3350	62,000 PSI	
IMR 4831	80.2	3270	62,000 PSI	
150 GR. SFT SCIR				
IMR 7828	86.0	3230	61,000 PSI	
IMR 4831	76.8	3150	62,000 PSI	
160 GR. NOS PART				
IMR 7828	84.5	3140	62,000 PSI	
IMR 4831	76.5	3050	61,000 PSI	
30-30 WINCHESTER				
BBL: 24"				
		CASE: WINCHESTER		
		PR: WINCHESTER LR		
COL: 2.550"				
150 GR. SIE FN				
Varget	34.5	2349	36,200 CUP	
BL-C(2)	37.0	2358	33,900 CUP	
H335	33.0	2308	36,200 CUP	
H4895	34.0	2390	36,700 CUP	
Benchmark	29.0	2183	37,200 CUP	
H4198	24.0	2110	36,800 CUP	
IMR 4320	32.5	2127	36,500 CUP	
IMR 4064	33.3	2236	36,200 CUP	
IMR 4895	33.5	2213	34,300 CUP	
IMR 3031	30.5	2192	36,000 CUP	
IMR 4198	23.0	2055	35,500 CUP	
170 GR. SIE FP				
Varget	33.0	2168	36,500 CUP	
BL-C(2)	36.0	2227	34,700 CUP	
H335	30.5	2086	36,300 CUP	
H4895	30.5	2138	35,200 CUP	
Benchmark	27.0	2001	36,100 CUP	
H4198	22.5	1918	32,600 CUP	
IMR 4320	32.5	2068	36,300 CUP	

RIFLE data

*Max loads that show an asterisk following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
IMR 4064	31.7	2090	35,300 CUP	
IMR 4895	31.7	2068	35,300 CUP	
IMR 3031	29.2	2085	35,800 CUP	
IMR 4198	22.3	1896	32,100 CUP	

30-30 WINCHESTER (WIN) CASE: WINCHESTER BBL: 24" PR: WINCHESTER LR

150 GR. SP COL: 2.550"				
760	35.9	2090	30,000 CUP	
748	34.5	2310	36,000 CUP	
170 GR. SP COL: 2.550"				
760	33.6	1975	30,000 CUP	
748	32.0	2145	36,000 CUP	

308 MARLIN EXPRESS CASE: HORNADY BBL: 24" PR: WINCHESTER LR

130 GR. SPR FP COL: 2.420"				
Varget	42.5	2730	46,400 PSI	
BL-C(2)	46.0	2799	45,600 PSI	
H335	41.5	2772	45,700 PSI	
H4895	41.7	2762	46,000 PSI	
Benchmark	36.5	2635	46,300 PSI	
H322	35.3	2617	45,800 PSI	
IMR 4064	41.5C	2686	45,400 PSI	
IMR 4895	41.7	2700	46,500 PSI	
IMR 3031	38.5	2700	45,800 PSI	
748	43.0	2677	40,500 PSI	

150 GR. HDY RN COL: 2.430"				
Varget	41.5C	2572	46,100 PSI	
BL-C(2)	43.0	2544	41,200 PSI	
H335	40.0C	2611	46,800 PSI	
H4895	40.5	2607	45,900 PSI	
IMR 4320	41.0 C	2533	46,400 PSI	
IMR 4895	41.0 C	2575	46,500 PSI	
IMR 3031	37.3 C	2545	46,200 PSI	
748	42.0	2560	42,100 PSI	

170 GR. HDY FP COL: 2.400"				
Varget	39.3 C	2394	46,300 PSI	
BL-C(2)	40.6	2420	44,800 PSI	
H335	37.5	2409	46,300 PSI	
H4895	38.6C	2439	46,300 PSI	
IMR 4320	39.4	2383	45,800 PSI	
IMR 4064	39.3 C	2416	46,100 PSI	
IMR 4895	39.0 C	2409	46,300 PSI	
IMR 3031	35.6 C	2372	45,800 PSI	
748	40.0	2432	45,400 PSI	

308 WINCHESTER CASE: WINCHESTER BBL: 24" PR: FEDERAL 210M

150 GR. NOS BT COL: 2.800"				
Varget	47.0 C	2937	50,300 CUP	
BL-C(2)	48.0	2839	50,000 CUP	
H335	44.0	2787	51,200 CUP	
H4895	45.5	2870	51,000 CUP	
Benchmark	43.0	2752	49,000 CUP	

BULLET	POWDER	GR	VEL	CUP
H322	40.0	2702	50,500 CUP	
IMR 4007 SSC	46.0 C	2648	48,000 PSI	
IMR 4320	49.0C	2936	59,800 PSI	
IMR 4064	47.7C	2903	57,100 PSI	
IMR 4895	47.3C	2920	57,700 PSI	
IMR 3031	43.5C	2881	59,200 PSI	

168 GR. SIE HPBT COL: 2.800"				
Varget	46.0 C	2731	50,600 CUP	
BL-C(2)	47.0	2754	50,200 CUP	
H335	42.0	2631	49,300 CUP	
H4895	43.5	2703	49,500 CUP	
Benchmark	42.0	2630	49,300 CUP	
IMR 4007 SSC	45.8 C	2606	52,000 PSI	
IMR 4320	46.0	2733	59,300 PSI	
IMR 4064	45.9C	2766	58,800 PSI	
IMR 4895	45.4C	2758	58,000 PSI	
IMR 3031	42.0	2710	58,900 PSI	

175 GR. SIE HPBT COL: 2.800"				
H414	49.0	2629	50,100 CUP	
Varget	45.0 C	2690	48,600 CUP	
BL-C(2)	46.0	2706	50,300 CUP	
H335	41.3	2592	50,100 CUP	
H4895	42.7	2647	49,000 CUP	
Benchmark	41.5	2590	50,800 CUP	
IMR 4007 SSC	48.0 C	2666	56,500 PSI	
IMR 4320	45.7 C	2687	57,600 PSI	
IMR 4064	45.6 C	2728	59,500 PSI	
IMR 4895	45.0 C	2704	57,800 PSI	
IMR 3031	41.3	2653	59,100 PSI	

308 WINCHESTER (WIN) CASE: WINCHESTER BBL: 24" PR: WINCHESTER LR

150 GR. FS (CT) COL: 2.800"				
748	43.0	2540	45,100 PSI	
165 GR. FS (CT) COL: 2.800"				
748	42.0	2400	43,800 PSI	
180 GR. SP COL: 2.800"				
760	48.0	2580	43,000 CUP	
748	46.5	2610	48,500 CUP	

30-06 CASE: WINCHESTER BBL: 24" PR: WINCHESTER LR

150 GR. NOS BT COL: 3.250"				
H4350	62.0 C	3068	48,400 CUP	
H414	60.0	2992	48,600 CUP	
H380	59.0	3005	45,900 CUP	
Varget	51.0	2975	50,100 CUP	
BL-C(2)	54.0	2962	48,600 CUP	
H335	51.5	2982	49,200 CUP	
H4895	51.0	2976	48,500 CUP	
Benchmark	49.5	2944	49,300 CUP	
IMR 4350	58.0 C	2942	57,200 PSI	
IMR 4007 SSC	55.3	2972	58,000 PSI	
IMR 4320	52.3	3016	58,000 PSI	
IMR 4064	51.0	2928	58,600 PSI	

BULLET	POWDER	GR	VEL	CUP
IMR 4895	53.0	3009	56,700 PSI	
IMR 3031	46.7	2887	59,300 PSI	

165 GR. SIE SPBT COL: 3.300"				
Hybrid 100V	57.0 C	2801	52,800 PSI	
H4350	59.0	2938	49,400 CUP	
H414	56.5	2877	49,700 CUP	
H380	56.5	2892	50,000 CUP	
Varget	50.5	2873	49,700 CUP	
BL-C(2)	51.0	2805	49,800 CUP	
H335	47.0	2749	49,300 CUP	
H4895	47.5	2782	49,000 CUP	
Benchmark	47.7	2795	49,300 CUP	
IMR 4350	60.0 C	2934	57,600 PSI	
IMR 4007 SSC	55.9	2867	58,300 PSI	
IMR 4320	51.2	2869	58,600 PSI	
IMR 4064	52.5	2901	58,900 PSI	
IMR 4895	52.0	2888	57,200 PSI	
IMR 3031	48.0	2825	57,500 PSI	

180 GR. SIE SPBT COL: 3.300"				
H4831	60.0 C	2710	44,300 CUP	
Hybrid 100V	57.0 C	2742	55,200 PSI	
H4350	57.5	2798	49,300 CUP	
H414	55.5	2743	48,700 CUP	
H380	53.0	2682	48,700 CUP	
Varget	47.0	2668	50,000 CUP	
BL-C(2)	48.5	2634	48,100 CUP	
H335	46.0	2621	49,200 CUP	
H4895	46.0	2638	48,800 CUP	
Benchmark	46.0	2660	49,000 CUP	
IMR 4831	56.8C	2749	57,100 PSI	
IMR 4350	56.5C	2752	57,200 PSI	
IMR 4007 SSC	53.5	2732	58,100 PSI	
IMR 4320	47.8	2661	58,000 PSI	
IMR 4064	48.7	2700	58,200 PSI	
IMR 4895	48.0	2680	56,800 PSI	

30-06 (WIN) CASE: WINCHESTER BBL: 24" PR: WINCHESTER LR

150 GR. SP COL: 3.340"				
760	54.0	2900	48,000 CUP	
748	48.0	2810	46,000 CUP	
165 GR. FS (CT) COL: 3.340"				
760	54.6	2690	53,300 PSI	
180 GR. SP COL: 3.340"				
760	53.0	2725	50,000 CUP	
748	45.0	2540	48,500 CUP	

300 REM. S.A. ULTRA MAG. CASE: REMINGTON BBL: 24" PR: REMINGTON 9 1/2 M

150 GR. SPR GSSP COL: 2.700"				
H4350	65.5 C	3147	62,100 PSI	
H414	65.5	3201	62,800 PSI	
H380	63.0	3119	60,700 PSI	
Varget	59.0	3148	63,200 PSI	
H4895	57.0	3147	62,800 PSI	

BULLET	POWDER	GR	VEL	CUP
IMR 4831	65.0 C	3050	55,700 PSI	
IMR 4350	65.0 C	3140	60,100 PSI	
IMR 4007 SSC	62.0	3112	61,900 PSI	
IMR 4064	57.5	3148	62,100 PSI	
IMR 3031	53.5	3085	62,400 PSI	
760	65.5	3201	62,800 PSI	

180 GR. SFT SCIR COL: 2.825"				
H4350	61.6 C	2907	63,500 PSI	
H414	60.5	2935	63,400 PSI	
Varget	54.0	2842	63,600 PSI	
H4895	51.5	2823	64,700 PSI	
IMR 4831	63.0 C	2836	58,500 PSI	
IMR 4350	62.7	2902	62,800 PSI	
IMR 4007 SSC	58.0C	2836	62,900 PSI	
IMR 4064	54.8	2822	62,400 PSI	
760	60.5	2935	63,400 PSI	

200 GR. NOS PART COL: 2.825"				
H4831	66.0 C	2755	63,300 PSI	
H4350	59.5 C	2751	63,200 PSI	
H414	59.5	2788	64,100 PSI	
IMR 4831	59.5C	2649	56,300 PSI	
IMR 4350	59.5C	2732	61,800 PSI	
IMR 4064	52.5	2663	63,100 PSI	
760	59.5	2788	64,100 PSI	

300 WIN. SHORT MAGNUM CASE: WINCHESTER BBL: 24" PR: WINCHESTER WLRM

150 GR. SPR GSSP COL: 2.780"				
Hybrid 100V	67.0 C	3127	57,700 PSI	
H4350	67.0	3187	63,200 PSI	
H414	66.0	3204	63,300 PSI	
H380	64.0	3141	63,600 PSI	
Varget	58.5	3140	63,800 PSI	
H4895	54.5	3078	63,100 PSI	
IMR 4350	68.0	3221	62,100 PSI	
IMR 4007 SSC	63.7	3220	63,100 PSI	
IMR 4320	61.0	3172	63,900 PSI	
IMR 4064	61.0	3198	63,300 PSI	
IMR 4895	60.5	3176	62,300 PSI	
Supreme 780	74.0	3134	59,200 PSI	
760	66.0	3204	63,300 PSI	

180 GR. SFT SCIR COL: 2.860"				
H4831	70.0 C	2929	64,000 PSI	
Hybrid 100V	64.0 C	2918	59,800 PSI	
H4350	64.0	2950	63,900 PSI	
H414	62.5	2959	63,000 PSI	
H380	61.0	2884	63,400 PSI	
IMR 7828	69.5 C*	2943	62,600 PSI	
IMR 4831	66.3 C	2980	62,900 PSI	
IMR 4350	65.0 C	2991	63,700 PSI	
IMR 4007 SSC	59.8	2927	63,000 PSI	
Supreme 780	70.0	2923	60,800 PSI	
760	62.5	2959	63,000 PSI	

2				
----------	--	--	--	--

BULLET	POWDER	GR	VEL	CUP
H4831	66.5C	2802	63,700 PSI	
H4350	62.0	2792	63,200 PSI	
H414	61.0	2803	63,200 PSI	
IMR 7828	67.5C*	2793	63,100 PSI	
IMR 4831	63.7C	2780	62,200 PSI	
IMR 4350	63.5C	2827	63,700 PSI	
IMR 4007 SSC	59.8	2788	64,000 PSI	
Supreme 780	69.5	2815	61,800 PSI	
760	61.0	2803	63,200 PSI	

300 WINCHESTER MAGNUM

BBL: 24"		CASE: WINCHESTER PR: WINCHESTER LR		
150 GR. SIE SP COL: 3.340"				
H1000	85.0 C	3255	52,200 CUP	
H4831	78.0	3207	52,700 CUP	
Hybrid 100V	73.5	3289	62,700 PSI	
H4350	72.0	3205	52,500 CUP	
H414	68.0	3145	52,500 CUP	
H380	65.0	3031	52,200 CUP	
Varget	60.0	3108	51,400 CUP	
H4895	61.0	3124	52,500 CUP	
IMR 7828	80.0C	3148	55,600 PSI	
IMR 4831	78.0C	3289	63,300 PSI	
IMR 4350	74.0	3254	61,500 PSI	
IMR 4007 SSC	71.0	3185	61,400 PSI	
IMR 4064	65.5	3205	62,200 PSI	
IMR 4895	65.5	3196	62,300 PSI	
Supreme 780	81.0	3264	62,500 PSI	
760	68.0	3145	52,500 CUP	

180 GR. SPR MT-SP		COL: 3.285"		
US869	88.0	2892	56,800 PSI	
H1000	81.0 C	3042	52,900 CUP	
H4831	73.0 C	2966	53,200 CUP	
Hybrid 100V	67.7	2998	62,400 PSI	
H4350	67.0	2918	53,100 CUP	
H414	62.0	2845	52,300 CUP	
IMR 7828	78.5C	3034	62,000 PSI	
IMR 4831	74.0C	3025	63,200 PSI	
IMR 4350	71.0	2974	61,200 PSI	
Supreme 780	72.5	2920	59,100 PSI	
760	62.0	2845	52,300 CUP	

200 GR. NOS PART		COL: 3.340"		
US869	85.0	2712	51,800 PSI	
RETUMBO	84.0 C	2962	52,300 CUP	
H1000	79.0 C	2883	52,800 CUP	
H4831	72.0 C	2825	53,100 CUP	
Hybrid 100V	66.0	2820	59,400 PSI	
H4350	66.0	2753	51,700 CUP	
IMR 7828	76.0C	2851	58,400 PSI	
IMR 4831	72.5C	2859	60,900 PSI	
IMR 4350	69.5	2860	62,600 PSI	
Supreme 780	73.5	2870	62,700 PSI	

BULLET	POWDER	GR	VEL	CUP
300 WEATHERBY MAGNUM CASE: REMINGTON BBL: 24" PR: FEDERAL 215 M				
150 GR. BAR XBT COL: 3.560"				
H1000	88.0 C	3264	53,500 CUP	
H4831	79.0	3168	53,500 CUP	
H4350	72.5	3156	53,800 CUP	
H414	69.0	3099	53,800 CUP	
H380	67.0	3009	54,000 CUP	
Varget	63.0	3142	54,300 CUP	
H4895	62.3	3098	53,400 CUP	
IMR 7828	80.4	3218	53,800 CUP	
IMR 4831	76.0	3223	54,000 CUP	
IMR 4350	73.0	3201	53,400 CUP	
IMR 4064	64.5	3143	53,800 CUP	
760	69.0	3099	53,800 CUP	

180 GR. SPR BTSP		COL: 3.560"		
H1000	88.5C	3151	53,500 CUP	
H4831	81.5	3096	54,000 CUP	
Hybrid 100V	77.0	3171	54,600 CUP	
H4350	73.5	3022	54,000 CUP	
H414	71.5	2984	53,000 CUP	
H380	67.0	2896	54,000 CUP	
IMR 7828	80.5	3064	53,400 CUP	
IMR 4831	75.5	2997	53,500 CUP	
IMR 4350	72.6	3018	53,000 CUP	
Supreme 780	82.5	3127	53,100 CUP	
760	71.5	2984	53,000 CUP	

200 GR. SFT		COL: 3.510"		
Returnbo	85.5C	2981	54,400 CUP	
H1000	85.0C	2963	53,400 CUP	
H4831	77.5	2869	52,900 CUP	
Hybrid 100V	73.0	2906	53,200 CUP	
H4350	71.0	2866	54,300 CUP	
IMR 7828	78.3	2872	53,800 CUP	
IMR 4831	73.0	2806	53,400 CUP	
IMR 4350	70.5	2807	52,800 CUP	

300 REM. ULTRA MAG. BBL: 24"		CASE: REMINGTON PR: REMINGTON 9 1/2M		
150 GR. SIE SPBT COL: 3.530"				
Returnbo	106.0 C	3531	60,800 PSI	
H1000	102.0	3457	62,900 PSI	
H4831	94.0	3408	62,900 PSI	
IMR 7828	92.0	3319	63,000 PSI	
IMR 4831	90.5	3380	63,700 PSI	
IMR 4350	86.7	3362	63,500 PSI	

180 GR. SPR SPBT		COL: 3.530"		
US869	107.0	3070	57,300 PSI	
H50BMG	108.0 C	3159	62,100 PSI	
Returnbo	100.5 C	3300	62,400 PSI	
H1000	96.0	3218	62,800 PSI	
H4831	89.0	3167	62,500 PSI	
IMR 7828	86.5	3069	63,200 PSI	

*Max loads that show an asterisk following the "C" for compressed load will not fit with standard 7828. Reduce by 4%.

BULLET	POWDER	GR	VEL	CUP
IMR 4831	83.0	3075	63,200 PSI	
IMR 4350	81.0	3071	63,200 PSI	
200 GR. NOS AB COL: 3.600"				
H50BMG	102.0C	2950	58,900 PSI	
Returnbo	95.5C	3048	62,400 PSI	
H1000	92.5	2975	62,800 PSI	
H4831	85.0	2953	63,600 PSI	
IMR 7828	82.0	2857	61,800 PSI	

30-378 WEATHERBY BBL: 26"		CASE: WEATHERBY PR: FEDERAL 215 M		
180 GR. SPR SPBT COL: 3.600"				
US869	120.0	3302	47,100 CUP	
H50BMG	120.0 C	3229	47,100 CUP	
Returnbo	113.0 C	3460	54,700 CUP	
H1000	111.0	3412	54,300 CUP	
H4831	100.0	3301	54,500 CUP	
IMR 7828	98.0	3284	52,400 CUP	
IMR 4831	96.0	3292	53,800 CUP	

200 GR. BAR XFB		COL: 3.645"		
US869	118.0	3206	52,500 CUP	
H50BMG	117.0 C	3227	54,800 CUP	
IMR 7828	94.5	3053	55,000 CUP	
220 GR. NOS PART COL: 3.600"				
US869	117.0	3134	51,400 CUP	
H50BMG	118.5 C	3145	53,700 CUP	
Returnbo	107.5	3155	55,000 CUP	
H1000	104.0	3084	53,700 CUP	
IMR 7828	91.0	2930	52,600 CUP	

7.62 X 39mm RUSSIAN BBL: 24"		CASE: MIDWAY PR: CCI 200		
125 GR. SPR SP COL: 2.150"				
BL-C(2)	31.5	2349	38,800 CUP	
H335	31.5	2408	40,900 CUP	
H4895	29.0	2249	33,600 CUP	
H322	29.0	2323	35,400 CUP	
H4198	26.5	2378	40,400 CUP	

150 GR. HDY SP		COL: 2.220"		
BL-C(2)	29.5	2090	40,400 CUP	
H335	29.0	2132	42,500 CUP	
H4895	28.0	2154	39,300 CUP	
H322	28.5	2192	40,400 CUP	
H4198	24.5	2122	39,800 CUP	

7.62 X 39mm RUSSIAN (IMR) BBL: 24"		CASE: IMI PR: CCI 200		
125 GR. SPR SP COL: 2.180"				
IMR 4198	24.0	2250	42,500 CUP	
IMR 4227	18.5	1995	44,100 CUP	
150 GR. REM PSPCL COL: 2.210"				
IMR 4198	22.5	2070	43,600 CUP	
IMR 4227	18.0	1885	44,400 CUP	

BULLET	POWDER	GR	VEL	CUP
303 BRITISH CASE: REMINGTON BBL: 24" PR: FEDERAL 210				
150 GR. HDY SP COL: 2.995"				
Varget	43.0	2656	42,700 CUP	
BL-C(2)	48.0	2756	39,200 CUP	
H335	42.0	2706	43,100 CUP	
H4895	40.0	2627	43,600 CUP	
180 GR. SIE SP COL: 3.075"				
H4350	48.0C	2500	43,800 CUP	
H414	46.0	2435	42,500 CUP	
Varget	41.0	2440	43,400 CUP	
BL-C(2)	45.0	2563	43,000 CUP	
H335	39.0	2449	42,700 CUP	
H4895	38.0	2400	43,500 CUP	
760	46.0	2435	42,500 CUP	

303 BRITISH (IMR) BBL: 24"		CASE: WINCHESTER PR: REMINGTON 9 1/2		
150 GR. SPR COL: 3.035"				
IMR 4064	44.7	2699	46,400 PSI	
IMR 4895	44.2	2689	46,600 PSI	
IMR 3031	41.0	2632	46,100 PSI	
180 GR. SIE SP COL: 3.035"				
IMR 4064	41.1	2400	45,700 PSI	
IMR 4895	41.0	2399	46,100 PSI	
IMR 3031	38.3	2341	46,500 PSI	

8 X 57mm MAUSER BBL: 24"		CASE: REMINGTON PR: REMINGTON 9 1/2		
150 GR. HDY SP COL: 2.950"				
Varget	52.4 C	2896	49,000 CUP	
BL-C(2)	55.0	2962	48,400 CUP	
H335	50.8	2942	48,800 CUP	
H4895	51.0	2987	49,500 CUP	
Benchmark	47.5	2860	48,800 CUP	

170 GR. HDY RN		COL: 2.825"		
Varget	50.5	2700	48,700 CUP	
BL-C(2)	53.5	2839	48,800 CUP	
H335	49.2	2738	48,800 CUP	
H4895	49.0	2769	48,700 CUP	
Benchmark	46.6	2679	49,100 CUP	

8 X 57mm MAUSER (IMR) BBL: 24"		CASE: WINCHESTER PR: WINCHESTER LR		
150 GR. SPR SP COL: 2.945"				
IMR 4831	47.0	2325	36,800 CUP	
IMR 4350	43.0	2315	36,800 CUP	
IMR 4320	36.0	2270	36,900 CUP	
IMR 4064	36.0	2305	37,000 CUP	
IMR 4895	36.0	2310	37,000 CUP	
IMR 3031	34.5	2335	37,000 CUP	
IMR 4198	28.5	2225	37,000 CUP	
SR 4759	21.5	1960	37,000 CUP	
170 GR. HDY RN COL: 2.840"				
IMR 4831	46.0	2255	37,000 CUP	

BULLET	POWDER	GR	VEL	CUP
IMR 4350	42.0	2180	37,000 CUP	
IMR 4320	34.5	2105	36,200 CUP	
IMR 4064	35.0	2175	36,900 CUP	
IMR 4895	33.5	2145	37,000 CUP	
IMR 3031	32.5	2105	36,100 CUP	
IMR 4198	27.5	2075	37,000 CUP	
SR 4759	20.5	1855	37,000 CUP	

8 X 57MM MAUSER (WIN) CASE: WINCHESTER
BBL: 24" PR: WINCHESTER LRM

170 GR. SP	COL: 3.250"
760	32,000 CUP
748	37,000 CUP

325 WINCHESTER SHORT MAG.

CASE: WINCHESTER
BBL: 24" PR: WINCHESTER LRM

180 GR. NOS BT	COL: 2.840"
H4831	65.8C 2930 62,800 PSI
H4350	65.5 2957 62,200 PSI
H414	65.5 2946 62,000 PSI
H380	64.0 2925 63,100 PSI
Varget	58.0 2873 62,700 PSI
BL-C(2)	61.0 2936 62,300 PSI
H4895	54.6 2820 60,300 PSI
IMR 4831	68.5 C 2927 61,100 PSI
IMR 4350	67.0 C 2954 62,500 PSI
IMR 4007 SSC	65.0 C 2979 62,800 PSI
IMR 4320	59.5 2896 62,900 PSI
IMR 4064	58.0 2865 60,100 PSI
IMR 4895	58.7 2906 62,700 PSI
760	65.5 2946 62,000 PSI

200 GR. BAR XLC	COL: 2.860"
H4350	67.0 2843 62,900 PSI
H414	65.0 2827 63,400 PSI
H380	64.8 2777 60,000 PSI
Varget	59.0 2762 62,300 PSI
BL-C(2)	60.5 2799 63,600 PSI
H4895	57.3 2739 62,200 PSI
IMR 7828	71.0 C* 2784 61,600 PSI
IMR 4831	69.5 C 2788 58,200 PSI
IMR 4350	67.5 C 2818 62,100 PSI
IMR 4320	60.0 2771 62,700 PSI
IMR 4064	57.7 2759 62,500 PSI
IMR 4895	58.7 2759 61,400 PSI
760	65.0 2827 63,400 PSI

220 GR. SFT SP	COL: 2.845"
H4831	67.0C 2638 61,300 PSI
H4350	67.0 2843 62,900 PSI
H414	61.5 2669 63,200 PSI
H380	60.0 2627 63,600 PSI
Varget	54.0 2569 62,400 PSI
BL-C(2)	57.3 2622 62,100 PSI
H4895	52.5 2556 63,100 PSI
IMR 7828	66.5 C* 2643 61,500 PSI
IMR 4831	66.0 C 2706 54,900 PSI

BULLET	POWDER	GR	VEL	CUP
IMR 4350	63.5C	2647	60,600 PSI	
IMR 4007 SSC	61.7	2778	60,900 PSI	
IMR 4320	55.0	2564	61,900 PSI	
IMR 4064	54.0	2585	63,000 PSI	
IMR 4895	54.3	2578	61,700 PSI	
760	61.5	2669	63,200 PSI	

338 FEDERAL CASE: FEDERAL
BBL: 24" PR: FEDERAL 210

180 GR. NOS AB	COL: 2.810"
BL-C(2)	50.0 2648 47,500 PSI
H335	47.0 2712 53,900 PSI
H4895	47.0 C 2682 50,800 PSI
Benchmark	47.0 C 2768 61,300 PSI
H322	45.5 C 2743 59,700 PSI
IMR 4895	47.0 C 2624 50,900 PSI
IMR 3031	45.0 C 2705 55,200 PSI
748	51.0 2746 51,100 PSI

185 GR. BAR TSX	COL: 2.800"
Varget	47.0 C 2607 54,700 PSI
BL-C(2)	49.0 2597 51,100 PSI
H335	46.0 2679 56,700 PSI
H4895	46.5 C 2690 58,200 PSI
Benchmark	44.0 C 2637 60,100 PSI
H322	43.3 C 2645 59,700 PSI
IMR 4064	45.0C 2584 53,400 PSI
IMR 4895	45.0C 2541 51,400 PSI
IMR 3031	44.0C 2666 60,000 PSI
748	49.0 2665 53,100 PSI

210 GR. SFT SCIR	COL: 2.820"
Varget	46.0 C 2503 56,500 PSI
BL-C(2)	47.0 2548 59,100 PSI
H335	41.7 2469 57,400 PSI
H4895	45.0 C 2551 58,100 PSI
Benchmark	46.0 C 2514 60,800 PSI
H322	42.3 C 2511 59,200 PSI
IMR 4064	43.0C 2394 48,800 PSI
IMR 4895	45.0C 2482 53,900 PSI
IMR 3031	42.5C 2499 57,000 PSI
748	45.7 2534 56,300 PSI

338 WINCHESTER MAGNUM CASE: WINCHESTER
BBL: 24" PR: WIN WLR MAG

185 GR. BAR XBT	COL: 3.280"
H4831	74.0 2969 52,600 CUP
H4350	68.5 2971 51,600 CUP
H414	67.5 2946 52,000 CUP
H380	67.0 2943 52,700 CUP
Varget	57.0 2841 52,400 CUP
H4895	58.5 2886 52,000 CUP
760	67.5 2946 52,000 CUP

210 GR. NOS PART	COL: 3.280"
H4831	75.5 C 2888 52,300 CUP
H4350	70.0 2855 51,800 CUP

BULLET	POWDER	GR	VEL	CUP
H414	67.0	2848	51,800 CUP	
H380	66.0	2797	53,000 CUP	
Varget	58.5	2784	52,500 CUP	
H4895	60.0	2788	53,000 CUP	
IMR 7828	78.0C*	2895	52,600 CUP	
IMR 4831	73.0C	2877	50,600 CUP	
IMR 4350	71.5C	2894	52,800 CUP	
IMR 4064	62.0	2843	53,300 CUP	
IMR 4895	62.0	2809	52,500 CUP	
760	67.0	2848	51,800 CUP	

250 GR. HDY SP	COL: 3.340"
H1000	76.0 C 2622 46,500 CUP
H4831	71.5 C 2655 52,300 CUP
H4350	67.5 2657 51,900 CUP
H414	65.0 2622 52,900 CUP
IMR 7828	75.0C* 2628 51,800 CUP
IMR 4831	71.6C 2632 52,400 CUP
IMR 4350	69.5C 2634 52,400 CUP
IMR 4064	58.5 2518 52,700 CUP
IMR 4895	59.0 2529 53,200 CUP
Supreme 780	73.0 2612 49,300 CUP
760	65.0 2622 52,900 CUP

338 LAPUA MAGNUM CASE: NORMA
BBL: 24" PR: FEDERAL 215M

210 GR. NOS PART	COL: 3.525"
Retumbo	102.0 C 3142 52,600 CUP
H1000	99.5 3052 52,500 CUP
H4831	89.0 3006 53,000 CUP
H4350	82.0 3005 52,200 CUP
IMR 7828	93.4 3099 52,900 CUP
IMR 4831	88.5 3076 53,500 CUP
IMR 4350	85.0 3034 51,900 CUP

250 GR. HDY SP	COL: 3.550"
US869	108.0 2879 51,100 CUP
Retumbo	98.0 C 2853 52,000 CUP
H1000	98.0 C 2838 52,800 CUP
H4831	85.0 2740 52,200 CUP
H4350	78.0 2742 52,300 CUP
IMR 7828	88.5 2802 52,100 CUP
IMR 4831	85.0 2801 52,900 CUP

300 GR. SIE HPBT	COL: 3.600"
US 869	104.0 2677 51,500 CUP
Retumbo	94.0 C 2654 53,400 CUP
H1000	92.0 C 2590 53,000 CUP
H4831	79.0 2511 53,100 CUP
IMR 7828	81.0 2566 53,000 CUP
IMR 4831	76.0 2541 53,300 CUP

338 REMINGTON ULTRA MAG CASE: REMINGTON
BBL: 24" PR: REMINGTON 9 1/2M

200 GR. SPR SP	COL: 3.590"
H1000	102.0 C 3127 58,600 PSI
H4831	96.5 3138 63,000 PSI

BULLET	POWDER	GR	VEL	CUP
H4350	89.5	3156	63,000 PSI	
H414	84.0	3089	63,100 PSI	

225 GR. NOS PART	COL: 3.550"
Retumbo	103.0 C 3055 61,100 PSI
H1000	100.0 C 3058 63,000 PSI
H4831	93.5 2977 63,000 PSI
H4350	86.0 2976 62,600 PSI

250 GR. HDY SP CASE: REMINGTON
BBL: 24" PR: FEDERAL 215

200 GR. NOS BT	COL: 3.600"
IMR 7828	94.2 3180 62,000 PSI
IMR 4831	88.7 3160 62,000 PSI
IMR 4350	85.6 3150 62,000 PSI

225 GR. NOS PART	COL: 3.595"
IMR 7828	92.0 3000 61,000 PSI
IMR 4831	84.2 2940 61,000 PSI
IMR 4350	81.4 2940 62,000 PSI

250 GR. SFT SP	COL: 3.525"
IMR 7828	88.3 2820 61,000 PSI
IMR 4831	81.8 2770 61,000 PSI
IMR 4350	79.5 2750 61,000 PSI

35 REMINGTON CASE: REMINGTON
BBL: 24" PR: REMINGTON 9 1/2

180 GR. SPR FN	COL: 2.470"
Varget	40.5 2196 32,500 CUP
BL-C(2)	43.0 2147 32,300 CUP
H335	37.5 2111 33,600 CUP
H4895	39.0 2232 33,100 CUP
Benchmark	35.5 2034 32,300 CUP
H322	35.0 2104 33,100 CUP
H4198	32.0 2172 33,000 CUP

200 GR. HDY RN	COL: 2.510"
Varget	39.5 2139 33,300 CUP
BL-C(2)	41.5 2011 31,700 CUP
H335	37.0 2048 33,200 CUP
H4895	38.5 2110 32,300 CUP
Benchmark	35.5 1984 32,600 CUP
H322	33.8 1987 33,100 CUP
H4198	30.5 1999 31,700 CUP

35 REMINGTON (IMR) CASE: REMINGTON
BBL: 24" PR: REMINGTON 9 1/2

150 GR. REM SPCL	COL: 2.500"
IMR 4320	42.5 2295 34,700 CUP
IMR 4064	43.0C 2320 33,000 CUP
IMR 4895	42.5C 2340 34,600 CUP
IMR 3031	42.0C 2390 34,200 CUP

BULLET	POWDER	GR	VEL	CUP
IMR 4198	29.0		2190	35,000 CUP
SR 4759	23.0		1985	35,000 CUP
200 GR. HDY RN				COL: 2.500"
IMR 4320	38.5		2020	35,000 CUP
IMR 4064	39.5C		2080	34,200 CUP
IMR 4895	36.5		2030	34,900 CUP
IMR 3031	37.5		2110	34,700 CUP
IMR 4198	27.0		1915	33,500 CUP
SR 4759	20.5		1770	35,000 CUP

35 REMINGTON (WIN)		CASE: REMINGTON		
BBL: 24"		PR: REMINGTON 9 1/2		
200 GR. SP 748	39.0	2130		COL: 2.525" 33,000 CUP

358 WINCHESTER		CASE: WINCHESTER		
BBL: 26"		PR: WINCHESTER LR		
200 GR. HDY SP				COL: 2.650"
Varget	51.0 C	2527		47,900 CUP
BL-C(2)	52.0	2464		41,800 CUP
H335	48.5	2484		48,400 CUP
H4895	48.0 C	2519		49,800 CUP
Benchmark	46.2	2494		50,000 CUP
H322	44.8	2491		49,400 CUP

220 GR. SPR FN SP		CASE: WINCHESTER		
BBL: 25"		PR: WINCHESTER LR		
Varget	50.0 C	2445		COL: 2.560" 50,300 CUP
BL-C(2)	51.0	2355		43,900 CUP
H335	46.0	2352		49,400 CUP
H4895	47.5 C	2421		50,200 CUP
Benchmark	45.0	2361		49,500 CUP
H322	44.0	2371		49,300 CUP

250 GR. NOS PART		CASE: WINCHESTER		
BBL: 25"		PR: WINCHESTER LR		
Varget	47.0 C	2278		COL: 2.760" 48,600 CUP
BL-C(2)	47.0	2240		47,200 CUP
H335	43.0	2184		50,500 CUP
H4895	44.5 C	2257		50,500 CUP
Benchmark	42.0	2176		49,400 CUP
H322	42.5	2260		49,900 CUP

358 WINCHESTER (IMR)		CASE: WINCHESTER		
BBL: 25"		PR: WINCHESTER LR		
200 GR. WIN ST				COL: 2.765"
IMR 4320	51.0C	2545		51,700 CUP
IMR 4064	49.0C	2525		46,200 CUP
IMR 4895	49.0C	2565		50,800 CUP
IMR 3031	49.0C	2630		51,800 CUP
SR 4759	29.5	2170		52,000 CUP

250 GR. WIN ST		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LRM		
IMR 4320	44.5	2210		COL: 2.780" 51,400 CUP
IMR 4064	44.0C	2270		52,000 CUP
IMR 4895	43.0	2235		51,200 CUP
IMR 3031	42.0	2260		50,800 CUP
SR 4759	26.0	1845		51,400 CUP

BULLET	POWDER	GR	VEL	CUP
375 H&H MAGNUM				CASE: WINCHESTER
BBL: 24"				PR: FEDERAL 215 M
235 GR. SPR SP				COL: 3.600"
H414	83.0	2749		42,600 CUP
H380	81.0	2835		46,800 CUP
Varget	70.0	2819		51,200 CUP
BL-C(2)	85.0	2964		47,100 CUP
H335	74.0	2853		50,000 CUP
H4895	74.0	2895		50,400 CUP

270 GR. WIN FS		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
H4350	83.0 C	2694		COL: 3.600" 46,800 CUP
H414	78.0	2576		45,500 CUP
H380	78.0	2632		46,600 CUP
Varget	67.0	2620		51,600 CUP
H4895	68.0	2624		50,500 CUP

300 GR. SIE SPBT		CASE: WINCHESTER		
BBL: 25"		PR: WINCHESTER LR		
H4350	81.5 C	2645		COL: 3.600" 49,500 CUP
H414	78.0	2548		46,800 CUP
Varget	62.0	2454		49,300 CUP
H4895	65.0	2505		50,400 CUP

375 H&H MAGNUM (IMR)		CASE: WINCHESTER		
BBL: 25"		PR: WINCHESTER LR		
270 GR. REM SP				COL: 3.600"
IMR 4831	82.5C	2690		50,700 CUP
IMR 4350	78.5C	2710		53,000 CUP
IMR 4320	66.5	2545		52,000 CUP
IMR 4064	69.0	2655		52,500 CUP
IMR 4895	65.0	2565		53,000 CUP
IMR 3031	65.5	2610		53,000 CUP
SR 4759	41.5	2085		53,000 CUP

300 GR. WIN ST		CASE: WINCHESTER		
BBL: 25"		PR: WINCHESTER LR		
IMR 4831	80.0C	2560		COL: 3.600" 48,300 CUP
IMR 4350	78.0C	2620		52,700 CUP
IMR 4320	63.0	2405		53,000 CUP
IMR 4064	67.0	2525		52,500 CUP
IMR 4895	61.0	2400		52,800 CUP
IMR 3031	63.0	2465		52,500 CUP
SR 4759	39.0	1925		53,000 CUP

375 H&H MAGNUM (WIN)		CASE: WINCHESTER		
BBL: 25"		PR: WINCHESTER LR		
270 GR. SP 760	77.5	2660		COL: 3.600" 51,000 CUP
300 GR. FMJ 760	77.5	2560		COL: 3.600" 51,500 CUP

375 RUGER		CASE: HORNYADY		
BBL: 24"		PR: WINCHESTER LRM		
250 GR. SFT SP				COL: 3.270"
Hybrid 100V	83.0C	2896		57,200 PSI
H4350	82.5	2834		59,000 PSI
H380	78.5	2812		59,400 PSI
Varget	72.0	2773		59,000 PSI
IMR 4831	84.5C	2829		58,700 PSI

BULLET	POWDER	GR	VEL	CUP
IMR 4350	82.0		2811	59,200 PSI
IMR #007 SSC	79.5		2806	58,000 PSI
IMR 4064	71.0		2763	58,900 PSI
760	80.3		2838	59,400 PSI

270 GR. HDY SP		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
Hybrid 100V	82.0C	2759		COL: 3.310" 55,900 PSI
H4350	83.5C	2783		58,400 PSI
H414	80.5	2757		59,300 PSI
IMR 4831	85.0C	2724		54,800 PSI
IMR 4350	83.0C	2758		57,200 PSI
IMR #007 SSC	79.6	2771		60,000 PSI
Supreme 780	90.5	2745		59,800 PSI
760	80.5	2757		59,300 PSI

300 GR. HDY RN		CASE: WINCHESTER		
BBL: 24"		PR: WINCHESTER LR		
H4831	88.0C	2611		COL: 3.280" 57,800 PSI
Hybrid 100V	78.5	2645		59,100 PSI
H4350	80.7	2660		59,600 PSI
H414	79.5	2642		60,100 PSI
IMR #007 SSC	76.5	2603		59,000 PSI
Supreme 780	88.0	2626		59,000 PSI
760	79.5	2642		60,100 PSI

416 REMINGTON MAG.		CASE: REMINGTON		
BBL: 24"		PR: REMINGTON 9 1/2		
350 GR. SPR SP				COL: 3.590"
Varget	82.0	2622		52,400 CUP
BL-C(2)	87.0	2580		44,700 CUP
H335	82.0	2572		50,900 CUP
H4895	80.0	2601		52,200 CUP
IMR 4007 SSC	86.0 C	2520		45,200 CUP

400 GR. HDY JRN		CASE: WINCHESTER		
BBL: 24"		PR: REMINGTON 9 1/2		
H4350	88.0 C	2395		COL: 3.560" 46,400 CUP
H380	84.0	2367		48,500 CUP
Varget	77.0	2407		53,000 CUP
BL-C(2)	83.0	2420		50,500 CUP
H4895	76.0	2391		53,300 CUP
IMR 4007 SSC	84.0C	2404		48,900 CUP

416 REMINGTON MAG. (IMR)		CASE: REMINGTON		
BBL: 24"		PR: REMINGTON 9 1/2		
350 GR. SFT SP				COL: 3.545"
IMR 4064	81.0	2485		51,600 CUP
IMR 4895	77.0	2425		53,700 CUP
IMR 3031	76.5	2450		53,000 CUP
400 GR. HDY FMJ				COL: 3.555"
IMR 4064	81.0	2485		51,600 CUP
IMR 4064	78.0	2335		52,000 CUP
IMR 4895	76.5	2325		53,800 CUP
IMR 3031	75.0	2315		52,100 CUP

444 MARLIN		CASE: REMINGTON		
BBL: 24"		PR: REMINGTON 9 1/2		
240 GR. SIE JHP				COL: 2.535"
H335	56.0	2222		38,900 CUP

BULLET	POWDER	GR	VEL	CUP
H4895	53.0 C	2069		33,100 CUP
Benchmark	55.0 C	2234		40,600 CUP
H322	52.0 C	2185		35,900 CUP
H4198	49.2 C	2499		42,100 CUP

265 GR. HDY JFP		CASE: WINCHESTER		
BBL: 24"		PR: REMINGTON 9 1/2		
H335	56.0	2187		COL: 2.550" 39,700 CUP
H4895	53.0 C	2080		34,800 CUP
Benchmark	53.0 C	2139		40,700 CUP
H322	52.0 C	2164		38,300 CUP
H4198	47.0	2273		41,100 CUP

300 GR. SFT HP		CASE: WINCHESTER		
BBL: 24"		PR: REMINGTON 9 1/2		
Varget	50.0 C	1914		COL: 2.620" 35,700 CUP
H335	52.0	2023		42,300 CUP
H4895	50.0 C	1931		35,600 CUP
Benchmark	48.5	1993		41,900 CUP
H322	48.0	2038		42,600 CUP
H4198	42.5	2082		42,500 CUP

444 MARLIN (IMR)		CASE: REMINGTON		
BBL: 25"		PR: REMINGTON 9 1/2		
240 GR. REM SP				COL: 2.570"
IMR 4895	56.0C	2200		38,600 CUP
IMR 3031	54.5C	2175		35,900 CUP
IMR 4198	47.0	2335		44,000 CUP
SR 4759	33.0	2055		43,600 CUP

45-70 GOVERNMENT (TRAPDOOR RIFLE)*		CASE: WINCHESTER		
BBL: 24"		PR: CCI 200		
300 GR. SIE HP				COL: 2.525"
Varget	63.0 C	2020		23,800 CUP
H335	63.5	2143		27,400 CUP
H4895	62.0 C	1974		21,000 CUP
Benchmark	63.5 C	2113		27,400 CUP
H322	60.0	2142		28,000 CUP
H4198	55.0	2221		27,600 CUP
IMR 4064	60.5C	1992		25,100 CUP
IMR 4895	61.0C	1968		23,900 CUP
IMR 3031	59.5C	2021		22,000 CUP
IMR 4198	48.0	2138		27,800

Pistol DATA

BULLET	POWDER	GR	VEL	CUP
223 REMINGTON				
BBL: 15"		CASE: WINCHESTER		
		PR: WINCHESTER SR		
40 GR. NOS BT				
VARGET	28.0 C	3069	COL: 2.280"	
BL-C(2)	28.5	2910	47,200 CUP	
H335	28.0	3231	44,600 CUP	
H4895	27.5 C	3060	44,500 CUP	
BENCHMARK	27.3	3174	51,000 CUP	
H322	25.5	3087	48,000 CUP	
H4198	22.5	3014	49,600 CUP	
50 GR. SPR SP				
VARGET	27.5 C	2959	COL: 2.210"	
BL-C(2)	28.0	2851	44,800 CUP	
H335	26.0	2834	47,100 CUP	
H4895	27.5 C	3024	51,700 CUP	
BENCHMARK	26.5	2953	51,300 CUP	
H322	24.0	2740	50,400 CUP	
H4198	21.5	2824	49,300 CUP	
55 GR. SPR SP				
VARGET	27.5 C	2972	COL: 2.200"	
BL-C(2)	27.5	2816	49,700 CUP	
H335	25.3	2799	48,500 CUP	
H4895	26.0	2880	49,300 CUP	
BENCHMARK	25.6	2840	49,000 CUP	
H322	23.0	2638	50,000 CUP	
H4198	21.0	2719	48,900 CUP	
30-30 WINCHESTER				
BBL: 14"		CASE: WINCHESTER		
		PR: WINCHESTER LR		
130 GR. SPR FP				
VARGET	36.0 C	2238	COL: 2.540"	
BL-C(2)	37.5	2101	35,700 CUP	
H4895	35.0	2194	32,800 CUP	
BENCHMARK	29.7	2020	35,300 CUP	
150 GR. SIE FN				
VARGET	34.5	2119	COL: 2.550"	
BL-C(2)	37.0	2060	36,200 CUP	
H4895	34.0	2116	33,900 CUP	
BENCHMARK	29.0	1944	36,700 CUP	
30-30 WINCHESTER (IMR)				
BBL: 14"		CASE: REMINGTON		
		PR: FEDERAL 210		
130 GR. HDY SP				
IMR 4064	36.5C	2110	COL: 2.725"	
IMR 3031	36.0C	2175	36,500 CUP	
150 GR. SIE SP				
IMR 4064	34.4	1995	COL: 2.855"	
IMR 3031	33.0	2035	37,400 CUP	
32 S&W LONG				
BBL: 5.32"		CASE: REMINGTON		
		PR: CCI 500		
85 GR. HDY JHP				
UNIVERSAL	3.0	865	COL: 1.160"	
HP-38	2.7	810	12,000 CUP	
TITEGROUP	2.4	819	11,500 CUP	
90 GR. SIE JHC				
UNIVERSAL	2.9	838	COL: 1.170"	

BULLET	POWDER	GR	VEL	CUP
HP-38	2.6	766	10,500 CUP	
TITEGROUP	2.3	749	10,000 CUP	
32 H&R MAGNUM				
BBL: 5"		CASE: FEDERAL		
		PR: FEDERAL 100		
85 GR. HDY HP				
H4227	9.5	1151	COL: 1.290"	
LIL'GUN	12.0	1263	21,000 CUP	
LONGSHOT	5.0	1167	16,800 CUP	
HS-6	5.6	1146	20,200 CUP	
UNIVERSAL	4.3	1123	20,200 CUP	
HP-38	3.8	1003	19,000 CUP	
TITEGROUP	3.7	1110	20,700 CUP	
231	3.8	1003	20,700 CUP	
90 GR. SIE JHP				
H4227	10.0	1079	COL: 1.340"	
LIL'GUN	11.5	1227	17,000 CUP	
LONGSHOT	5.0	1139	18,000 CUP	
HS-6	6.0	1140	19,500 CUP	
UNIVERSAL	4.0	1072	20,200 CUP	
HP-38	4.0	1033	20,000 CUP	
TITEGROUP	3.6	1060	20,300 CUP	
231	4.0	1033	20,300 CUP	
100 GR. SPR JHP				
H4227	10.0	1060	COL: 1.345"	
LIL'GUN	11.0	1208	19,300 CUP	
LONGSHOT	4.7	1056	19,900 CUP	
HS-6	5.4	1023	19,300 CUP	
UNIVERSAL	3.7	973	20,200 CUP	
HP-38	3.7	947	19,900 CUP	
TITEGROUP	3.3	956	19,900 CUP	
231	3.7	947	19,400 CUP	
32-20 WINCHESTER				
BBL: 5.5"		CASE: REMINGTON		
		PR: WINCHESTER SP		
85 GR. HDY JHP				
LIL'GUN	8.0	1102	COL: 1.550"	
TITEGROUP	3.5	961	15,700 CUP	
100 GR. REM JFP				
LIL'GUN	7.5	1018	COL: 1.580"	
TITEGROUP	3.5	908	15,900 CUP	
380 AUTO				
BBL: 3.75"		CASE: REMINGTON		
		PR: CCI 500		
90 GR. HDY JHP				
UNIVERSAL	3.6	955	COL: .955"	
HP-38	3.5	957	15,700 CUP	
TITEGROUP	3.2	970	15,400 CUP	
231	3.5	957	15,600 CUP	
100 GR. HDY FMJ				
UNIVERSAL	3.4	889	COL: .980"	
HP-38	3.1	843	16,100 CUP	
TITEGROUP	3.0	912	15,400 CUP	
231	3.1	843	14,700 CUP	
380 AUTO (IMR)				
BBL: 3.75"		CASE: REMINGTON		
		PR: CCI 500		
90 GR. HDY JHP				
800-X	4.1	870	COL: .970"	
SR 4756	3.6	880	15,500 CUP	

BULLET	POWDER	GR	VEL	CUP
SR 7625	3.2	880	14,700 CUP	
PB	3.0	890	15,700 CUP	
700-X	2.9	895	15,900 CUP	
100 GR. HDY FMJ				
800-X	4.0	840	COL: .980"	
SR 4756	3.5	875	14,700 CUP	
SR 7625	3.0	855	15,900 CUP	
PB	2.8	835	15,500 CUP	
700-X	2.7	840	15,400 CUP	
9MM LUGER				
BBL: 4"		CASE: WINCHESTER		
		PR: CCI 500		
115 GR. SPR GDHP				
LONGSHOT	6.0	1203	COL: 1.125"	
HS-6	7.0	1234	32,300 PSI	
UNIVERSAL	5.0	1149	29,400 CUP	
HP-38	5.1	1167	31,200 CUP	
TITEGROUP	4.8	1158	28,100 CUP	
CLAYS	3.9	1095	30,500 CUP	
231	5.1	1167	32,600 CUP	
125 GR. SIE FMJ				
LONGSHOT	5.7	1162	COL: 1.090"	
HS-6	6.8	1169	33,400 PSI	
UNIVERSAL	4.9	1118	27,100 CUP	
HP-38	4.8	1088	30,600 CUP	
TITEGROUP	4.4	1136	28,800 CUP	
CLAYS	3.7	1056	30,600 CUP	
231	4.8	1088	32,500 CUP	
147 GR. HDY XTP				
LONGSHOT	4.7	1004	COL: 1.100"	
HS-6	5.0	885	33,800 PSI	
UNIVERSAL	3.3	869	27,900 CUP	
TITEGROUP	3.6	929	31,000 CUP	
9MM LUGER (IMR)				
BBL: 4"		CASE: REMINGTON		
		PR: CCI 500		
115 GR. REM JHP				
800-X	6.5	1150	COL: 1.110"	
SR 4756	6.3C	1175	30,300 CUP	
SR 7625	5.1	1095	30,600 CUP	
PB	4.8	1075	32,400 CUP	
700-X	4.7	1130	32,500 CUP	
124 GR. REM MC				
800-X	6.5C	1115	COL: 1.135"	
SR 4756	6.3C	1160	28,600 CUP	
SR 7625	4.9	1040	32,400 CUP	
PB	4.9C	1050	32,500 CUP	
700-X	4.8	1110	32,600 CUP	
147 GR. HDY STP				
800-X	5.3	1025	COL: 1.130"	
SR 4756	4.4	950	32,900 CUP	
SR 7625	4.3	950	32,700 CUP	
PB	4.0	950	32,900 CUP	
700-X	3.7	935	32,800 CUP	
38 SUPER AUTO				
BBL: 5"		CASE: REMINGTON		
		PR: REMINGTON 1/2		
115 GR. HDY XTP				
LONGSHOT	7.1	1301	COL: 1.245"	
HS-6	8.5	1314	31,600 CUP	
UNIVERSAL	5.5	1225	31,500 CUP	

BULLET	POWDER	GR	VEL	CUP
HP-38	6.1	1261	32,700 CUP	
TITEGROUP	5.3	1208	31,800 CUP	
231	6.1	1261	32,700 CUP	
125 GR. SIE FMJ				
LIL'GUN	14.0	1353	COL: 1.275"	
LONGSHOT	6.9	1247	29,800 CUP	
HS-6	8.3	1271	32,600 CUP	
UNIVERSAL	5.5	1179	32,100 CUP	
HP-38	5.7	1159	32,300 CUP	
TITEGROUP	5.0	1124	31,200 CUP	
231	5.7	1159	31,800 CUP	
130 GR. SIE FMJ				
LONGSHOT	6.8	1215	COL: 1.275"	
HS-6	8.2	1231	32,000 CUP	
UNIVERSAL	5.3	1124	32,500 CUP	
HP-38	5.5	1134	32,000 CUP	
TITEGROUP	4.9	1116	31,200 CUP	
231	5.5	1134	31,200 CUP	
135 GR. NOS IPSC				
LIL'GUN	12.8	1357	COL: 1.265"	
LONGSHOT	6.1	1105	32,400 CUP	
38 SUPER AUTO (IMR)				
BBL: 5"		CASE: REMINGTON		
		PR: CCI 500		
115 GR. HDY HP				
800-X	5.9	1015	COL: 1.265"	
SR 4756	5.2	965	21,900 CUP	
SR 7625	4.5	955	21,800 CUP	
PB	4.0	955	21,800 CUP	
700-X	4.0	955	22,500 CUP	
38 SUPER AUTO +P				
BBL: 5"		CASE: WINCHESTER		
		PR: WINCHESTER SP		
115 GR. JHP				
WSF	7.1	1320	COL: 1.280"	
124 GR. FMJ				
WSF	6.6	1245	COL: 1.280"	
130 GR. FMJ				
WSF	6.3	1200	COL: 1.280"	
147 GR. JHP				
WSF	5.6	1070	COL: 1.280"	
38 SPECIAL				
BBL: 7.7"		CASE: WINCHESTER		
		PR: WINCHESTER SP		
125 GR. HDY XTP				
HS-6	7.2	1048	COL: 1.455"	
UNIVERSAL	5.2	1019	16,600 CUP	
HP-38	4.9	934	17,000 CUP	
TITEGROUP	4.6	1010	934	
CLAYS	3.9	937	16,300 CUP	
SR 4756	6.0	1046	16,100 CUP	
SR 7625	5.1	999	16,400 PSI	
PB	4.1	926	16,300 PSI	
700-X	4.2	969	15,700 PSI	
231	4.9	934	17,000 PSI	
140 GR. HDY XTP				
HS-6	6.5	933	COL: 1.455"	
UNIVERSAL	4.8	939	16,000 CUP	
HP-38	4.6	861	15,400 CUP	
TITEGROUP	4.2	919	15,800 CUP	

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

Pistol DATA

BULLET	POWDER	GR	VEL	CUP
CLAYS		3.7	869	16,700 CUP
SR 4756		5.5	938	16,900 PSI
SR 7625		4.7	872	16,100 PSI
PB		3.8	816	16,100 PSI
700-X		3.8	849	16,400 PSI
231		4.6	861	15,800 CUP
148 GR. HDY LHBWC				
HS-6		5.2	943	14,300 CUP
UNIVERSAL		3.8	940	15,600 CUP
HP-38		4.0	956	15,900 CUP
TITEGROUP		3.3	908	11,800 CUP
CLAYS		2.5	836	13,200 CUP
SR 4756		4.0	854	16,200 PSI
SR 7625		3.0	767	13,600 PSI
PB		3.0	840	16,300 PSI
Trail Boss		2.3	675	15,700 PSI
700-X		2.5	804	16,000 PSI
231		4.0	956	15,900 CUP
WST		2.8	735	16,000 PSI
158 GR. HDY XTP				
H4227		10.0	864	15,500 CUP
HS-6		6.2	862	16,300 CUP
UNIVERSAL		4.4	778	16,200 CUP
HP-38		4.3	779	15,900 CUP
TITEGROUP		3.9	798	15,900 CUP
CLAYS		3.1	721	16,600 CUP
SR 4756		5.3	888	16,400 PSI
SR 7625		4.5	825	16,300 PSI
PB		3.9	793	16,500 PSI
700-X		3.7	798	15,900 PSI
231		4.3	779	15,900 CUP
38 SPECIAL +P				
BBL: 7.7"		CASE: WINCHESTER PR: WINCHESTER SP		
NOTE: Loads are for use in modern arms in good condition. These loads should not be used in small frame, or aluminum frame revolvers, nor are they intended for auto pistols.				
125 GR. HDY XTP				
LONGSHOT		7.0	1228	18,300 PSI
HS-6		7.8	1138	19,500 CUP
UNIVERSAL		5.4	1072	18,900 CUP
HP-38		5.3	1018	19,800 CUP
TITEGROUP		5.0	1069	18,700 CUP
SR 4756		6.1	1129	18,300 PSI
SR 7625		5.2	1043	18,500 PSI
PB		4.4	985	17,600 PSI
700-X		4.4	1023	18,100 PSI
140 GR. HDY XTP				
LONGSHOT		6.4	1126	17,700 PSI
H4227		12.4	1121	19,400 CUP
HS-6		7.0	992	18,300 CUP
UNIVERSAL		5.1	1022	19,100 CUP
HP-38		4.9	892	18,600 CUP
TITEGROUP		4.6	984	19,300 CUP
SR 4756		5.6	983	17,800 PSI
SR 7625		4.8	935	18,300 PSI
PB		4.1	874	18,100 PSI
700-X		4.1	913	18,200 PSI
158 GR. HDY XTP				
LONGSHOT		5.5	965	17,000 PSI
H4227		11.0	964	17,600 CUP

BULLET	POWDER	GR	VEL	CUP
HS-6		6.6	926	18,700 CUP
UNIVERSAL		4.7	837	19,200 CUP
HP-38		4.6	807	18,100 CUP
TITEGROUP		4.3	905	19,300 CUP
SR 4756		5.5	928	17,900 PSI
SR 7625		4.7	881	17,800 PSI
PB		4.1	836	17,900 PSI
700-X		4.0	866	18,500 PSI
357 SIG				
BBL: 4"		CASE: FEDERAL PR: WINCHESTER SP		
124 GR. HDY XTP				
LONGSHOT		9.3	1429	37,900 PSI
HS-6		9.0	1339	38,700 PSI
UNIVERSAL		5.8	1235	38,500 PSI
147 GR. HDY XTP				
LONGSHOT		7.5	1254	38,700 PSI
HS-6		7.6	1173	36,600 PSI
UNIVERSAL		5.6	1110	38,600 PSI
357 SIG (IMR)				
BBL: 5"		CASE: REMINGTON PR: REMINGTON 9 1/2		
125 GR. SPR GD-HP				
800-X		10.0C	1438	36,100 PSI
SR 4756		9.1	1376	38,900 PSI
SR 7625		7.9	1304	37,100 PSI
PB		6.7	1237	38,700 PSI
147 GR. SPR GD-HP				
800-X		9.0	1317	38,000 PSI
PB		5.0	1012	38,600 PSI
700-X		5.6	1119	38,400 PSI
357 SIG (WIN)				
BBL: 4"		CASE: WINCHESTER PR: WINCHESTER SP		
125 GR. FMC-FN				
WSF		7.1	1260	33,800 PSI
357 MAGNUM				
BBL: 10"		CASE: WINCHESTER PR: WINCHESTER SPM		
125 GR. HDY XTP				
H4227		20.0	1839	42,000 CUP
H110		22.0	1966	41,400 CUP
LONGSHOT		9.7	1647	42,000 CUP
HS-6		10.9	1629	42,100 CUP
UNIVERSAL		7.6	1453	39,600 CUP
HP-38		8.5	1514	42,700 CUP
TITEGROUP		7.5	1497	41,200 CUP
SR 4756		7.8	1427	30,600 PSI
SR 7625		7.5	1401	33,800 PSI
PB		5.9	1263	32,900 PSI
700-X		6.4	1399	30,400 PSI
296		22.0	1966	41,400 CUP
231		8.5	1514	42,700 CUP
146 GR. SPR JHP				
H4227		16.0	1566	42,700 CUP
H110		17.2	1691	42,600 CUP
LONGSHOT		8.6	1483	42,600 CUP
HS-6		9.5	1461	41,800 CUP
UNIVERSAL		6.5	1261	39,900 CUP
HP-38		7.1	1330	42,200 CUP
TITEGROUP		6.6	1317	42,900 CUP

BULLET	POWDER	GR	VEL	CUP
SR 4756		6.5	1218	27,700 PSI
SR 7625		6.0	1183	30,000 PSI
PB		4.7	1035	30,100 PSI
700-X		5.7	1233	30,300 PSI
296		17.2	1691	42,600 CUP
231		7.1	1330	42,200 CUP
158 GR. HDY XTP				
H4227		16.0	1520	42,600 CUP
H110		16.7	1591	40,700 CUP
LIL'GUN		18.0	1577	25,800 CUP
LONGSHOT		8.4	1394	43,200 CUP
HS-6		9.5	1375	41,900 CUP
UNIVERSAL		6.3	1133	39,300 CUP
HP-38		6.9	1220	40,000 CUP
TITEGROUP		6.1	1229	41,900 CUP
SR 4756		6.5	1146	29,900 PSI
SR 7625		5.8	1075	29,600 PSI
PB		4.9	984	31,700 PSI
700-X		5.7	1149	31,200 PSI
296		16.7	1591	40,700 CUP
231		6.9	1220	40,000 CUP
180 GR. NOS PART				
H4227		13.7	1308	40,900 CUP
H110		13.5	1396	39,100 CUP
LIL'GUN		15.0	1422	34,500 CUP
LONGSHOT		7.2	1167	41,700 CUP
TITEGROUP		5.5	1020	40,300 CUP
SR 4756		5.7	888	32,800 PSI
SR 7625		5.1	838	33,200 PSI
700-X		4.7	846	32,500 PSI
296		13.5	1396	39,100 CUP
40 S&W				
BBL: 4"		CASE: HORNADY PR: WINCHESTER SP		
WARNING: This data is intended for use in firearms with barrels which fully support the cartridge in the chamber. Use of this data in firearms which do not fully support the cartridge may result in bulged cases, ruptured cases, case head separation, or other condition which may result in damage to the firearm and/or result in injury or death of the shooter and/or bystanders.				
135 GR. NOS JHP				
LONGSHOT		12.0	1480	32,400 PSI
HS-6		10.2	1321	33,600 PSI
UNIVERSAL		7.5	1324	32,500 PSI
HP-38		7.0	1244	33,100 PSI
TITEGROUP		6.4	1251	33,200 PSI
CLAYS		4.5	1071	32,900 PSI
231		7.0	1244	33,100 PSI
180 GR. HDY XTP				
LONGSHOT		8.0	1159	32,300 PSI
HS-6		6.9	976	32,500 PSI
UNIVERSAL		5.8	1046	33,400 PSI
HP-38		5.0	947	32,900 PSI
TITEGROUP		4.7	978	33,300 PSI
CLAYS		3.5	847	34,300 PSI
231		5.0	947	32,900 PSI
200 GR. HDY XTP				
LONGSHOT		6.0	954	32,500 PSI
HS-6		6.3	900	32,800 PSI
UNIVERSAL		4.7	903	33,600 PSI

BULLET	POWDER	GR	VEL	CUP
HP-38		4.7	857	33,400 PSI
TITEGROUP		3.8	822	31,700 PSI
231		4.7	857	33,400 PSI
40 S&W (IMR)				
BBL: 4"		CASE: WINCHESTER PR: WINCHESTER SP		
135 GR. NOS HP				
800-X		10.5	1305	24,000 PSI
SR 4756		9.0	1285	30,000 PSI
SR 7625		7.8	1250	30,200 PSI
PB		7.5	1230	31,000 PSI
700-X		6.2	1210	32,900 PSI
180 GR. HDY XTP				
800-X		7.2	1030	26,000 PSI
SR 4756		6.0	1000	33,100 PSI
SR 7625		5.7	990	33,300 PSI
PB		5.1	975	34,400 PSI
700-X		4.6	970	34,600 PSI
200 GR. SPR TMJ				
800-X		6.3	925	26,100 PSI
SR 4756		5.6	905	34,200 PSI
SR 7625		5.2	885	34,100 PSI
PB		4.5	845	33,900 PSI
700-X		4.3	840	33,800 PSI
10mm AUTO				
BBL: 5"		CASE: WINCHESTER PR: WINCHESTER LP		
180 GR. SIE JHC				
LONGSHOT		9.5	1287	34,600 PSI
HS-6		9.4	1127	35,800 PSI
UNIVERSAL		6.4	1122	32,200 PSI
HP-38		5.8	1061	34,900 PSI
TITEGROUP		6.0	1141	34,300 PSI
200 GR. HDY FMJ				
LONGSHOT		8.2	1172	35,000 PSI
HS-6		8.6	1089	35,900 PSI
UNIVERSAL		5.9	1015	36,900 PSI
HP-38		5.6	1011	35,700 PSI
TITEGROUP		5.3	1024	36,100 PSI
10mm AUTO (IMR)				
BBL: 5"		CASE: REMINGTON PR: REMINGTON 9 1/2		
180 GR. WIN JHP				
800-X		8.7	1210	30,000 PSI
SR 4756		7.6	1155	34,400 PSI
SR 7625		7.0	1140	35,100 PSI
PB		6.4	1105	34,900 PSI
700-X		6.0	1105	34,400 PSI
200 GR. HDY XTP				
800-X		7.8	1130	32,500 PSI
SR 4756		6.6	1045	35,800 PSI
SR 7625		6.2	1040	35,700 PSI
PB		5.5	970	34,300 PSI
700-X		5.2	975	33,000 PSI
10mm AUTO (WIN)				
BBL: 5"		CASE: WINCHESTER PR: WINCHESTER LP		
180 GR. JHP				
WSF		7.1	1150	35,600 PSI
231		5.8	1050	35,600 PSI

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

Pistol DATA

BULLET	POWDER	GR	VEL	CUP
200 GR. FMJ				
WSF	6.2	1020		35,600 PSI
231	5.6	1000		35,600 PSI

**41 REMINGTON MAGNUM CASE: REMINGTON
BBL: 10.125" PR: WINCHESTER LP**

170 GR. SIE JHC COL: 1.575"				
H4227	24.9	1745		35,600 CUP
H110	26.5	1887		37,400 CUP
LONGSHOT	12.5	1646		38,700 CUP
HS-6	13.7	1597		37,200 CUP
UNIVERSAL	10.3	1488		38,700 CUP
HP-38	9.8	1440		38,300 CUP
TITEGROUP	9.2	1470		37,700 CUP
296	26.5	1887		37,400 CUP

220 GR. SPR JSP COL: 1.580"				
H4227	20.0	1433		37,500 CUP
H110	20.0	1563		31,200 CUP
LIL'GUN	20.5	1563		31,200 CUP
LONGSHOT	10.1	1311		37,700 CUP
HS-6	11.3	1271		36,700 CUP
UNIVERSAL	8.5	1178		38,600 CUP
HP-38	8.0	1125		36,700 CUP
TITEGROUP	7.3	1127		33,700 CUP
296	20.0	1529		34,000 CUP

**41 REMINGTON MAGNUM (IMR) CASE: REMINGTON
BBL: 10" PR: REMINGTON 2 1/2**

170 GR. SIE JRC COL: 1.575"				
700-X	8.4	1375		39,800 CUP

210 GR. REM JSP COL: 1.590"				
SR 7625	9.1	1245		39,700 CUP
700-X	7.6	1185		39,000 CUP

**44 S&W SPECIAL CASE: STARLINE
BBL: 8" PR: WINCHESTER LP**

185 GR. CAST LRNFP COL: 1.400"				
UNIVERSAL	6.4	1031		13,900 CUP
HP-38	5.6	953		12,500 CUP
TITEGROUP	5.5	1025		11,600 CUP
CLAYS	4.2	930		13,200 CUP
TRAIL BOSS	6.6	944		12,600 CUP

240 GR. CAST LSWC COL: 1.450"				
H4227	13.2	947		12,600 CUP
HS-6	8.0	917		13,000 CUP
UNIVERSAL	5.6	873		13,300 CUP
HP-38	5.2	858		13,200 CUP
TITEGROUP	4.8	862		13,100 CUP
CLAYS	4.0	771		13,500 CUP
TRAIL BOSS	5.2	763		11,700 CUP

**44 S&W SPECIAL (IMR) CASE: REMINGTON
BBL: 6.5" PR: REMINGTON 2 1/2**

240 GR. HDY LSWC COL: 1.470"				
IMR 4227	14.3	790		13,700 CUP
800-X	6.9	695		13,900 CUP
SR 4756	7.5	760		13,600 CUP
SR 7625	6.2	770		13,800 CUP

BULLET	POWDER	GR	VEL	CUP
PB	5.7	750		14,000 CUP
700-X	4.9	740		13,900 CUP

246 GR. REM LRN COL: 1.570"				
IMR 4227	14.2	815		14,000 CUP
800-X	7.2	730		13,900 CUP
SR 4756	7.7	775		13,800 CUP
SR 7625	6.2	780		14,000 CUP
PB	5.6	745		13,600 CUP
700-X	4.8	740		13,600 CUP

**44 REMINGTON MAGNUM CASE: WINCHESTER
BBL: 8.275" PR: REMINGTON 2 1/2**

200 GR. NOS JHP COL: 1.600"				
H4227	27.0	1686		37,800 CUP
H110	28.5	1806		37,800 CUP
LIL'GUN	29.5	1794		36,200 CUP
LONGSHOT	14.3	1534		34,600 PSI
HS-6	16.7	1569		37,700 CUP
UNIVERSAL	11.1	1398		38,300 CUP
HP-38	11.9	1444		37,400 CUP
TITEGROUP	10.8	1433		38,400 CUP
296	28.5	1806		37,800 CUP
231	11.9	1444		37,400 CUP

240 GR. NOS JHP COL: 1.600"				
H4227	24.0	1458		36,100 CUP
H110	24.0	1522		36,200 CUP
LIL'GUN	24.5	1582		38,100 CUP
LONGSHOT	12.1	1331		34,500 PSI
HS-6	15.1	1417		38,200 CUP
UNIVERSAL	10.2	1246		38,200 CUP
HP-38	11.0	1272		37,800 CUP
TITEGROUP	10.0	1292		37,700 CUP
296	24.0	1522		36,200 CUP
231	11.0	1272		37,800 CUP

300 GR. HDY XTP COL: 1.600"				
H4227	20.0	1312		38,600 CUP
H110	19.0	1325		38,800 CUP
LIL'GUN	17.7	1280		37,600 CUP
LONGSHOT	9.5	1071		34,700 PSI
HS-6	13.0	1214		37,900 CUP
UNIVERSAL	9.6	1113		38,200 CUP
HP-38	10.0	1149		38,100 CUP
TITEGROUP	9.6	1186		38,400 CUP
296	19.0	1325		38,800 CUP
231	10.0	1149		38,100 CUP

**44 REMINGTON MAGNUM (IMR) CASE: REMINGTON
BBL: 8.25" PR: REMINGTON 2 1/2**

200 GR. SPR MAG HP COL: 1.610"				
IMR 4227	27.0C	1520		33,800 CUP
800-X	15.5	1600		39,800 CUP
SR 4756	14.6	1475		39,800 CUP
SR 7625	12.1	1350		39,700 CUP
700-X	10.1	1300		40,000 CUP

240 GR. SIE JHC COL: 1.590"				
IMR 4227	22.0C	1275		32,600 CUP
800-X	14.2	1415		39,600 CUP
SR 4756	13.3	1260		39,800 CUP

BULLET	POWDER	GR	VEL	CUP
45 ACP CASE: WINCHESTER BBL: 5" PR: FEDERAL 150				

185 GR. HDY JSWC COL: 1.195"				
LONGSHOT	8.2	1044		17,000 CUP
HS-6	9.5	996		16,800 CUP
UNIVERSAL	6.4	977		16,800 CUP
HP-38	5.9	906		15,800 CUP
TITEGROUP	5.5	956		17,000 CUP
CLAYS	4.9	981		17,400 CUP
231	5.9	906		15,800 CUP

200 GR. SPR JHP COL: 1.155"				
LONGSHOT	7.8	1013		16,900 CUP
HS-6	9.0	948		16,400 CUP
UNIVERSAL	6.2	949		17,200 CUP
HP-38	5.9	906		16,700 CUP
TITEGROUP	5.2	884		16,900 CUP
CLAYS	4.3	785		17,700 CUP
231	5.9	906		16,700 CUP

230 GR. HDY FMJ FP COL: 1.200"				
LONGSHOT	6.8	908		17,200 CUP
HS-6	8.2	825		15,400 CUP
UNIVERSAL	5.6	844		16,800 CUP
HP-38	5.3	832		16,800 CUP
TITEGROUP	4.8	818		16,700 CUP
CLAYS	4.0	732		17,000 CUP
231	5.3	832		16,800 CUP

**45 ACP (IMR) CASE: REMINGTON
BBL: 5" PR: REMINGTON 2 1/2**

185 GR. REM MC HP COL: 1.210"				
800-X	8.6	975		18,000 CUP
SR 4756	8.7	920		17,900 CUP
SR 7625	6.9	890		18,000 CUP
PB	6.1	855		17,900 CUP
700-X	5.3	845		17,500 CUP

200 GR. SPFI JHP COL: 1.170"				
800-X	8.3	840		18,000 CUP
SR 4756	8.1	880		17,700 CUP
SR 7625	6.4	825		17,200 CUP
PB	6.0	825		17,200 CUP
700-X	5.1	815		17,500 CUP

230 GR. REM LRN COL: 1.270"				
800-X	7.2	860		18,000 CUP
SR 4756	7.5	960		17,800 CUP
SR 7625	6.2	825		17,700 CUP
PB	5.5	810		17,900 CUP
700-X	4.7	775		17,700 CUP

**45 COLT CASE: WINCHESTER
BBL: 7.25" PR: WINCHESTER LP**

200 GR. CAST LRNFP COL: 1.600"				
UNIVERSAL	8.8	1067		13,600 CUP
HP-38	8.0	1002		13,800 CUP
TITEGROUP	7.7	1050		12,700 CUP
CLAYS	5.9	931		13,100 CUP
800-X	9.3	1042		13,500 PSI
SR 4756	10.0	986		12,100 PSI
SR 7625	9.1	996		12,800 PSI
PB	8.2	1053		12,800 PSI
Trail Boss	6.5	855		11,000 PSI

BULLET	POWDER	GR	VEL	CUP
700-X	6.2	933		12,400 PSI
231	8.0	1002		13,800 CUP

260 GR. SPR JHP COL: 1.595"				
HS-6	10.7	865		14,000 CUP
UNIVERSAL	8.0	813		14,000 CUP
HP-38	7.1	787		14,000 CUP
TITEGROUP	6.3	797		12,500 CUP
800-X	7.6	803		13,600 PSI
SR 4756	8.6	772		12,900 PSI
SR 7625	7.5	759		13,500 PSI
PB	6.3	723		13,400 PSI
700-X	5.2	714		12,500 PSI
231	7.1	787		14,000 CUP

300 GR. SIE JFP COL: 1.670"				
HS-6	10.0	730		13,700 CUP
UNIVERSAL	7.3	700		13,700 CUP
TITEGROUP	5.8	682		12,900 CUP

**454 CASULL CASE: FREEDOM ARMS
BBL: 9.375" PR: WINCHESTER SR**

260 GR. FA JFP COL: 1.765"				
H4227	33.0 C	1762		42,100 CUP
H110	36.0	1954		51,600 CUP
LIL'GUN	35.5	1895		37,900 CUP
296	36.0	1954		51,600 CUP

260 GR. SPR JHP COL: 1.675"				
LONGSHOT	15.0	1443		36,600 CUP
HS-6	16.8	1420		36,400 CUP
UNIVERSAL	11.5	1245		34,900 CUP
TITEGROUP	11.0	1270		35,900 CUP

300 GR. FA JFP COL: 1.775"				
H4227	31.0 C	1702		52,400 CUP
H110	30.0	1716		53,700 CUP
LIL'GUN	31.0	1746		45,000 CUP
296	30.0	1716		53,700 CUP

**460 S&W MAGNUM CASE: STARLINE
BBL: 10.743" PR: WINCHESTER LRM**

260 GR. NOS PART COL: 2.175"				
H4227	43.0 C	2098		51,300 PSI
H110	46.0	2178		54,000 PSI
LIL'GUN	46.0	2080		43,400 PSI
296	46.0	2178		54,000 PSI

300 GR. HDY XTP MAG. COL: 2.160"				
H4227	40.0 C	1		

BULLET	POWDER	GR	VEL	CUP
400 GR. HDY XTP				
H4227	21.0	1211	COL: 1.620"	
H110	20.5	1258	46,100 PSI	
LIL'GUN	18.0	1229	46,600 PSI	
LONGSHOT	11.0	1082	46,900 PSI	
TITEGROUP	8.5	959	46,800 PSI	
296	20.5	1258	46,600 PSI	

**500 WYOMING EXPRESS CASE: FREEDOM ARMS
BBL: 9" PR: FEDERAL 210**

BULLET	POWDER	GR	VEL	CUP
350 GR. HDY XTP				
H4227	35.0 C	1584	COL: 1.740"	
H110	35.0	1629	44,200 PSI	
LIL'GUN	32.0	1617	43,100 PSI	
LONGSHOT	19.0	1423	42,700 PSI	
TITEGROUP	15.0	1296	47,200 PSI	

BULLET	POWDER	GR	VEL	CUP
400 GR. CPB LGC				
H4227	33.0	1509	COL: 1.750"	
H110	34.5	1589	46,700 PSI	
LIL'GUN	31.0	1565	47,900 PSI	
LONGSHOT	17.6	1310	45,700 PSI	
TITEGROUP	13.7	1192	48,600 PSI	
TRAIL BOSS	10.0	842	48,100 PSI	

BULLET	POWDER	GR	VEL	CUP
440 GR. CPB LGC				
H4227	30.0 C	1413	COL: 1.740"	
H110	29.5	1415	48,300 PSI	
LIL'GUN	28.0	1450	44,200 PSI	
LONGSHOT	16.5	1226	46,300 PSI	
TITEGROUP	12.5	1097	48,800 PSI	

BULLET	POWDER	GR	VEL	CUP
TRAIL BOSS	8.0	717	24,800 PSI	

**500 S&W MAGNUM CASE: STARLINE
BBL: 10" PR: WINCHESTER LR**

BULLET	POWDER	GR	VEL	CUP
275 GR. BAR XPB				
H4227	44.0	2047	COL: 2.085"	
H110	45.0	2082	48,400 PSI	
LIL'GUN	44.0	2137	49,300 PSI	
LONGSHOT	24.5	1824	50,800 PSI	
TITEGROUP	20.0	1707	48,900 PSI	
296	45.0	2082	50,300 PSI	

BULLET	POWDER	GR	VEL	CUP
350 GR. HDY XTP				
H4227	42.5	1863	COL: 1.985"	
H110	43.0	1877	49,900 PSI	
LIL'GUN	42.0	1912	50,600 PSI	
LONGSHOT	23.0	1602	48,100 PSI	
TITEGROUP	18.5	1461	50,000 PSI	
296	43.0	1877	50,000 PSI	

BULLET	POWDER	GR	VEL	CUP
400 GR. SIE JSP				
H4227	39.5	1698	COL: 2.050	
H110	40.0	1721	49,100 PSI	
LIL'GUN	37.0	1725	49,700 PSI	
LONGSHOT	22.0	1458	49,300 PSI	
TITEGROUP	17.5	1335	49,000 PSI	
296	40.0	1721	49,900 PSI	

TRAIL BOSS POWDER FOR COWBOY ACTION SHOOTING

Trail Boss is designed specifically for low velocity lead bullet loads suitable for Cowboy Action shooting. It is based on a whole new technology which allows very high loading density, good flow through powder measures, stability in regard to temperature variation and most importantly, additional safety to the handloader.

Trail Boss occupies from 50% of available case capacity up to 100% of available case capacity. A double charge of the maximum loads will either overflow the case or will not exceed SAAMI proof pressures depending upon the cartridge case being loaded. The high load density of Trail Boss will make it very easy to visualize in a case and powder sensors will work more efficiently. The unique appearance of Trail Boss will make it impossible to mistake it for any other product.

Many people wonder how a powder so fluffy with such unusually shaped granules can flow well through a powder measure. Well, flow was an absolute must with this product during development. Powder drop to powder drop consistency with Trail Boss is at least as good as other flake powders. Due to the volume occupied by Trail Boss charges, users of Dillon measures will want to change from their pistol powder charge bar to their rifle powder charge bar for any charge over 5.0 grs. of Trail Boss.

NOTE: Trail Boss was designed to work in specific charge weight ranges. Do not use charges less than the starting load shown, nor greater than the maximum shown.

SMOKELESS PISTOL AND CARBINE								
STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
25-20 WINCHESTER								
71 GR LEAD RNFP	H4227	6.0 gr.	1146	13,700	H-4227	7.0 gr.	1346	18,200
	HS-7	4.8 gr.	1202	14,900	HS-7	5.8 gr.	1465	22,800
	HS-6	4.3 gr.	1206	18,700	HS-6	5.3 gr.	1428	21,900
85 GR LEAD RNFP	H4227	6.0 gr.	1129	18,500	H-4227	7.0 gr.	1317	20,500
	HS-7	4.5 gr.	1085	17,700	HS-7	5.8 gr.	1407	26,200
	HS-6	4.5 gr.	1261	19,600	HS-6	5.3 gr.	1391	25,300
90 GR HDY LSWC	HS-6	4.6 gr.	845	10,900	HS-6	5.0 gr.	963	14,800
	UNIVERSAL	3.0 gr.	819	8,400	UNIVERSAL	3.2 gr.	908	11,500
	HP38	2.8 gr.	828	9,600	HP38	3.2 gr.	919	12,500
	TITEGROUP	2.4 gr.	819	10,500	TITEGROUP	2.8 gr.	911	13,300
32 S&W LONG								
90 GR. HDY LSWC	Trail Boss	1.5 gr.	599	5,900	Trail Boss	2.9 gr.	730	8,100
32 H & R MAGNUM								
90 GR LEAD RNFP	HS-6	4.6 gr.	845	10,900	HS-6	5.0 gr.	963	14,800
	UNIVERSAL	3.0 gr.	819	8,400	UNIVERSAL	3.2 gr.	908	11,500
	HP38	2.8 gr.	828	9,600	HP38	3.2 gr.	919	12,500
	TITEGROUP	2.4 gr.	819	10,500	TITEGROUP	2.8 gr.	911	13,300
	Trail Boss	2.4 gr.	751	10,700	Trail Boss	2.8 gr.	785	11,300
32-20 WINCHESTER (COLT PISTOL)								
90 GR LEAD RNFP	HP38	3.2 gr.	833	11,900	HP38	3.5 gr.	969	16,000
	TITEGROUP	3.0 gr.	937	12,300	TITEGROUP	3.4 gr.	1012	15,800
	Trail Boss	2.5 gr.	785	11,400	Trail Boss	2.8 gr.	830	13,900

SMOKELESS PISTOL AND CARBINE

STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
32-20 WINCHESTER (COLT PISTOL) (CONTINUED)								
115 GR LEAD RNFP	UNIVERSAL	3.0 gr.	808	14,200	UNIVERSAL	3.2 gr.	869	16,000
	HP38	3.2 gr.	839	11,100	HP38	3.5 gr.	915	15,600
	TITEGROUP	2.7 gr.	815	12,900	TITEGROUP	3.0 gr.	857	15,300
115 GR CAST LRNFP	Trail Boss	2.2 gr.	642	11,300	Trail Boss	2.5 gr.	707	15,300
32-20 WINCHESTER (RUGER PISTOL AND RIFLE DATA ONLY)								
90 GR LEAD RNFP	HP38	3.5 gr.	969	16,000	HP38	4.5 gr.	1,177	22,800
115 GR LEAD RNFP	UNIVERSAL	3.2 gr.	869	16,000	UNIVERSAL	4.0 gr.	1,037	22,600
	HP38	3.5 gr.	915	15,600	HP38	4.3 gr.	1,045	22,600
38 SHORT COLT								
93 GR AA206 LRN	Trail Boss	1.7 gr.	575		Trail Boss	2.0 gr.	674	
135 GR AA202 LFP	Trail Boss	1.5 gr.	490		Trail Boss	1.7 gr.	526	
38 LONG COLT								
125 GR LEAD RN	UNIVERSAL	3.2 gr.	626		UNIVERSAL	3.7 gr.	772	
	HP38	2.6 gr.	636		HP38	3.2 gr.	766	
	TITEGROUP	2.3 gr.	657		TITEGROUP	2.7 gr.	752	
	CLAYS	2.0 gr.	631		CLAYS	2.5 gr.	765	
	Trail Boss	2.0 gr.	622		Trail Boss	2.4 gr.	705	
150 GR LEAD RN	UNIVERSAL	3.0 gr.	631		UNIVERSAL	3.5 gr.	769	
	HP38	2.6 gr.	631		HP38	3.3 gr.	777	
	TITEGROUP	2.3 gr.	641		TITEGROUP	2.8 gr.	755	
	CLAYS	2.0 gr.	624		CLAYS	2.6 gr.	744	
	Trail Boss	1.8 gr.	541		Trail Boss	2.0 gr.	575	
38 SPECIAL								
90 GR CAST LRNFP	TITEGROUP	3.0 gr.	755	7,700	TITEGROUP	3.5 gr.	969	11,300
	CLAYS	2.5 gr.	705	7,900	CLAYS	3.0 gr.	938	11,400
125 GR LEAD RNFP	UNIVERSAL	4.3 gr.	872	8,700	UNIVERSAL	4.7 gr.	1,036	16,800
	HP38	3.8 gr.	876	10,300	HP38	4.8 gr.	1,071	16,900
	TITEGROUP	3.2 gr.	856	8,400	TITEGROUP	3.8 gr.	985	12,000
	CLAYS	2.5 gr.	810	8,400	CLAYS	3.5 gr.	978	16,900
	Trail Boss	3.0 gr.	753	11,600	Trail Boss	5.3 gr.	952	13,400
135 GR LEAD RNFP	UNIVERSAL	4.1 gr.	924	13,400	UNIVERSAL	4.6 gr.	1,025	16,900
	HP38	3.7 gr.	872	12,500	HP38	4.7 gr.	1,024	17,000
	TITEGROUP	3.1 gr.	824	9,600	TITEGROUP	3.6 gr.	927	12,900
	CLAYS	2.6 gr.	767	11,400	CLAYS	3.3 gr.	910	16,200
158 GR LEAD SWC	UNIVERSAL	3.5 gr.	756	9,600	UNIVERSAL	4.5 gr.	974	16,700
	INTERNATIONAL	3.0 gr.	798	12,400	INTERNATIONAL	3.5 gr.	903	16,100
	HP38	3.1 gr.	782	11,900	HP38	3.7 gr.	834	14,600
	TITEGROUP	3.2 gr.	815	11,500	TITEGROUP	3.8 gr.	920	15,400
	CLAYS	2.8 gr.	812	12,900	CLAYS	3.1 gr.	871	15,100
	Trail Boss	2.7 gr.	661	11,400	Trail Boss	4.2 gr.	804	13,700

SMOKELESS PISTOL AND CARBINE

STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
357 MAGNUM								
90 GR CAST LRNFP	TITEGROUP	3.0 gr.	850	6,300	TITEGROUP	4.0 gr.	1107	9,000
	CLAYS	2.7 gr.	780	6,000	CLAYS	3.5 gr.	1106	12,500
125 GR LEAD RNFP	UNIVERSAL	4.8 gr.	1046	11,000	UNIVERSAL	6.8 gr.	1,401	34,200
	HP38	4.6 gr.	1,052	13,800	HP38	5.5 gr.	1,185	18,800
	TITEGROUP	4.0 gr.	1,055	13,800	TITEGROUP	5.4 gr.	1,274	22,800
	CLAYS	3.5 gr.	984	11,900	CLAYS	5.3 gr.	1,260	33,000
	Trail Boss	3.5 gr.	874	14,900	Trail Boss	5.3 gr.	1035	17,900
135 GR LEAD RNFP	UNIVERSAL	4.8 gr.	986	11,700	UNIVERSAL	6.5 gr.	1,314	27,800
	HP38	4.1 gr.	946	11,700	HP38	5.3 gr.	1,027	19,400
	TITEGROUP	3.5 gr.	906	13,100	TITEGROUP	5.2 gr.	1,186	24,500
	CLAYS	3.4 gr.	914	12,200	CLAYS	5.1 gr.	1,207	30,200
158 GR LEAD SWC	UNIVERSAL	4.0 gr.	890	15,700	UNIVERSAL	6.2 gr.	1,247	33,400
	HP38	3.4 gr.	796	12,600	HP38	5.0 gr.	1,109	23,900
	TITEGROUP	3.5 gr.	893	16,100	TITEGROUP	5.0 gr.	1,108	24,900
	CLAYS	3.2 gr.	867	14,400	CLAYS	4.6 gr.	1,079	33,600
	Trail Boss	3.2 gr.	754	16,500	Trail Boss	4.2 gr.	865	20,400
38-40 WCF (IN PSI)								
180 GR LEAD RNFP	UNIVERSAL	6.9 gr.	813	8,200	UNIVERSAL	7.5 gr.	955	11,900
	HP38	5.8 gr.	747	9,400	HP38	6.8 gr.	934	13,500
	TITEGROUP	5.0 gr.	819	7,000	TITEGROUP	6.4 gr.	990	13,300
	CLAYS	4.7 gr.	760	8,700	CLAYS	5.5 gr.	889	13,500
	Trail Boss	4.5 gr.	694	7,300	Trail Boss	5.5 gr.	800	9,900
44-40 WCF (IN PSI)								
200 GR LEAD RNFP	UNIVERSAL	6.6 gr.	722	10,000	UNIVERSAL	7.3 gr.	777	11,100
	HP38	5.5 gr.	711	9,800	HP38	6.5 gr.	820	12,400
	TITEGROUP	5.0 gr.	758	8,400	TITEGROUP	6.2 gr.	901	12,900
	CLAYS	4.2 gr.	648	8,200	CLAYS	5.0 gr.	765	11,700
	Trail Boss	5.5 gr.	723	7,800	Trail Boss	6.5 gr.	826	11,900
44 RUSSIAN								
160-165 GR LEAD RNFP	HP38	4.5 gr.	878	8,300	HP38	5.2 gr.	1,002	10,400
	TITEGROUP	4.0 gr.	884	6,100	TITEGROUP	5.3 gr.	1,076	12,000
	CLAYS	3.0 gr.	776	7,300	CLAYS	4.0 gr.	977	11,100
	Trail Boss	3.3 gr.	742	7,600	Trail Boss	4.5 gr.	878	11,600
200 GR LEAD RNFP	UNIVERSAL	4.8 gr.	816	8,100	UNIVERSAL	5.7 gr.	970	11,500
	HP38	4.2 gr.	763	7,300	HP38	5.0 gr.	900	11,300
	TITEGROUP	3.5 gr.	738	5,100	TITEGROUP	4.8 gr.	963	11,400
	CLAYS	3.2 gr.	747	8,000	CLAYS	3.7 gr.	837	11,100
	Trail Boss	3.0 gr.	647	7,900	Trail Boss	3.9 gr.	747	10,400
240 GR LEAD RNFP	UNIVERSAL	3.8 gr.	679	6,400	UNIVERSAL	4.6 gr.	841	11,000
	HP38	4.0 gr.	753	8,900	HP38	4.8 gr.	842	11,000
	TITEGROUP	3.5 gr.	732	7,300	TITEGROUP	4.2 gr.	837	11,500
	CLAYS	3.0 gr.	711	9,400	CLAYS	3.5 gr.	769	10,700
	Trail Boss	3.0 gr.	604	8,800	Trail Boss	3.5 gr.	661	10,000
44 COLT								
165 GR LEAD RNFP	HP38	4.5 gr.	826	6,100	HP38	5.5 gr.	983	9,300
	TITEGROUP	4.0 gr.	864	6,300	TITEGROUP	5.0 gr.	1,020	9,300
	CLAYS	3.0 gr.	705	6,600	CLAYS	4.2 gr.	944	9,000
	Trail Boss	3.3 gr.	698	5,400	Trail Boss	4.5 gr.	844	9,700

SMOKELESS PISTOL AND CARBINE								
STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
44 COLT (CONTINUED)								
185 GR LEAD RNFP	HP38	4.5 gr.	807	6,600	HP38	5.3 gr.	928	9,400
	TITEGROUP	3.8 gr.	806	6,200	TITEGROUP	4.8 gr.	950	9,500
	CLAYS	3.0 gr.	692	5,800	CLAYS	4.2 gr.	893	9,600
	Trail Boss	3.2 gr.	643	5,600	Trail Boss	4.0 gr.	751	9,600
200 GR LEAD RNFP	UNIVERSAL	4.8 gr.	762	6,100	UNIVERSAL	5.7 gr.	927	9,900
	HP38	4.5 gr.	799	7,000	HP38	5.3 gr.	881	9,400
	TITEGROUP	4.0 gr.	787	6,300	TITEGROUP	4.8 gr.	912	10,000
	CLAYS	3.2 gr.	710	6,100	CLAYS	3.9 gr.	831	10,000
Trail Boss	3.0 gr.	595	4,800	Trail Boss	3.9 gr.	711	9,300	
240 GR LEAD RNFP	UNIVERSAL	4.5 gr.	769	6,400	UNIVERSAL	5.2 gr.	870	10,400
	HP38	4.2 gr.	733	7,200	HP38	4.9 gr.	827	9,900
	TITEGROUP	3.5 gr.	717	6,300	TITEGROUP	4.3 gr.	826	10,000
	CLAYS	4.0 gr.	706	6,800	CLAYS	4.7 gr.	818	9,500
Trail Boss	3.0 gr.	563	6,800	Trail Boss	3.4 gr.	625	9,000	
44 SPECIAL								
160-165 GR LEAD RNFP	UNIVERSAL	5.5 gr.	851	5,700	UNIVERSAL	6.3 gr.	1,042	10,900
	HP38	4.9 gr.	893	8,200	HP38	6.0 gr.	1,040	12,000
	TITEGROUP	4.5 gr.	865	7,100	TITEGROUP	5.8 gr.	1,035	13,400
	CLAYS	3.6 gr.	836	6,000	CLAYS	4.6 gr.	1,009	13,400
Trail Boss	4.8 gr.	865	10,700	Trail Boss	7.0 gr.	1005	12,100	
185 GR LEAD RNFP	UNIVERSAL	5.4 gr.	823	7,700	UNIVERSAL	6.4 gr.	1,031	13,900
	HP38	4.4 gr.	810	8,000	HP38	5.6 gr.	953	12,500
	TITEGROUP	4.0 gr.	819	6,600	TITEGROUP	5.5 gr.	1,025	11,600
	CLAYS	3.5 gr.	810	7,800	CLAYS	4.2 gr.	930	13,200
Trail Boss	4.5 gr.	791	10,400	Trail Boss	6.6 gr.	944	12,600	
200 GR LEAD RNFP	UNIVERSAL	5.5 gr.	802	8,200	UNIVERSAL	6.5 gr.	960	12,900
	INTERNATIONAL	4.3 gr.	774	7,300	INTERNATIONAL	5.2 gr.	919	13,500
	HP38	4.5 gr.	743	8,300	HP38	5.6 gr.	918	12,500
	TITEGROUP	3.8 gr.	746	5,700	TITEGROUP	5.4 gr.	973	13,100
CLAYS	3.5 gr.	748	7,800	CLAYS	4.5 gr.	891	14,000	
Trail Boss	4.3 gr.	757	8,700	Trail Boss	6.3 gr.	885	13,200	
240 GR LEAD SWC	UNIVERSAL	4.9 gr.	721	8,000	UNIVERSAL	5.6 gr.	873	13,300
	INTERNATIONAL	3.9 gr.	723	8,900	INTERNATIONAL	4.7 gr.	825	13,000
	HP38	4.2 gr.	717	8,400	HP38	5.2 gr.	858	13,200
	TITEGROUP	4.0 gr.	758	9,400	TITEGROUP	4.8 gr.	862	13,100
CLAYS	3.2 gr.	669	9,000	CLAYS	4.0 gr.	771	13,500	
Trail Boss	4.0 gr.	673	9,700	Trail Boss	5.2 gr.	763	11,700	
44 MAGNUM								
160-165 GR LEAD RNFP	UNIVERSAL	6.5 gr.	918	7,700	UNIVERSAL	7.2 gr.	1,059	11,500
	HP38	6.0 gr.	963	10,100	HP38	7.0 gr.	1,088	13,900
	TITEGROUP	5.3 gr.	949	11,800	TITEGROUP	6.5 gr.	1,083	16,400
	CLAYS	4.4 gr.	910	8,500	CLAYS	5.5 gr.	1,064	15,500
Trail Boss	6.0 gr.	960	17,200	Trail Boss	8.0 gr.	1086	18,800	
185 GR LEAD RNFP	UNIVERSAL	6.4 gr.	919	8,400	UNIVERSAL	7.4 gr.	1,070	12,600
	HP38	5.9 gr.	906	9,400	HP38	7.2 gr.	1,058	14,700
	TITEGROUP	5.3 gr.	902	9,500	TITEGROUP	6.6 gr.	1,082	16,500
	CLAYS	4.2 gr.	839	8,900	CLAYS	6.0 gr.	1,043	18,400
Trail Boss	6.2 gr.	936	19,500	Trail Boss	7.8 gr.	1050	21,100	

SMOKELESS PISTOL AND CARBINE								
STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
44 MAGNUM (CONTINUED)								
200 GR LEAD RNFP	UNIVERSAL	6.8 gr.	897	10,500	UNIVERSAL	7.8 gr.	1,045	15,400
	INTERNATIONAL	5.3 gr.	854	10,000	INTERNATIONAL	6.8 gr.	1,044	18,300
	HP38	5.8 gr.	875	10,800	HP38	7.4 gr.	1,039	16,700
	TITEGROUP	5.0 gr.	878	11,000	TITEGROUP	6.6 gr.	1,061	17,300
CLAYS	4.2 gr.	785	8,500	CLAYS	6.4 gr.	1,028	20,200	
200 GR CAST LRNFP	Trail Boss	6.1 gr.	890	17,900	Trail Boss	7.7 gr.	988	20,700
240 GR LEAD SWC	UNIVERSAL	6.5 gr.	852	11,700	UNIVERSAL	7.6 gr.	1,009	19,900
	INTERNATIONAL	4.5 gr.	737	9,900	INTERNATIONAL	6.5 gr.	970	21,700
	HP38	5.5 gr.	800	12,000	HP38	7.2 gr.	961	18,400
	TITEGROUP	4.7 gr.	801	11,100	TITEGROUP	6.2 gr.	970	18,400
CLAYS	4.3 gr.	759	14,000	CLAYS	6.2 gr.	940	21,800	
Trail Boss	6.0 gr.	828	19,100	Trail Boss	7.3 gr.	917	21,600	
45 S&W (SCHUFIELD)								
200 GR LEAD RNFP	UNIVERSAL	6.0 gr.	773	9,100	UNIVERSAL	7.0 gr.	938	13,100
	HP38	5.2 gr.	745	8,800	HP38	6.2 gr.	877	13,000
	TITEGROUP	4.5 gr.	715	6,700	TITEGROUP	6.0 gr.	925	12,100
	CLAYS	4.0 gr.	733	8,300	CLAYS	5.0 gr.	845	13,100
Trail Boss	4.0 gr.	684	9,000	Trail Boss	5.0 gr.	791	13,200	
225-230 GR LEAD RNFP	UNIVERSAL	5.5 gr.	738	9,400	UNIVERSAL	6.0 gr.	816	11,400
	HP38	5.0 gr.	719	9,900	HP38	5.7 gr.	816	12,700
	TITEGROUP	4.5 gr.	702	7,800	TITEGROUP	5.8 gr.	866	12,300
	CLAYS	4.0 gr.	697	9,400	CLAYS	4.7 gr.	783	13,600
Trail Boss	4.0 gr.	649	9,000	Trail Boss	5.0 gr.	739	13,000	
250 GR LEAD RNFP	UNIVERSAL	6.0 gr.	724	9,900	UNIVERSAL	6.3 gr.	830	13,800
	HP38	4.5 gr.	664	10,100	HP38	5.2 gr.	741	12,100
	TITEGROUP	4.5 gr.	716	7,900	TITEGROUP	5.3 gr.	811	11,600
	CLAYS	4.0 gr.	674	11,000	CLAYS	4.2 gr.	710	12,500
250 GR LRNFP	Trail Boss	3.5 gr.	537	7,300	Trail Boss	4.8 gr.	685	13,200
45 LONG COLT								
160-165 GR LEAD RNFP	UNIVERSAL	6.5 gr.	798	7,400	UNIVERSAL	9.5 gr.	1,197	12,900
	HP38	6.5 gr.	917	7,700	HP38	9.0 gr.	1,177	13,800
	TITEGROUP	6.0 gr.	932	6,000	TITEGROUP	7.0 gr.	1,051	9,100
	CLAYS	5.0 gr.	907	7,500	CLAYS	6.4 gr.	1,083	13,500
Trail Boss	7.0 gr.	903	8,100	Trail Boss	8.5 gr.	1018	10,800	
180 GR LEAD RNFP	UNIVERSAL	6.5 gr.	791	7,100	UNIVERSAL	9.2 gr.	1,161	13,900
	HP38	6.0 gr.	838	6,500	HP38	8.2 gr.	1,087	13,900
	TITEGROUP	5.0 gr.	759	4,600	TITEGROUP	6.9 gr.	1,020	10,900
	CLAYS	4.8 gr.	840	7,900	CLAYS	6.0 gr.	1,016	13,800
Trail Boss	6.0 gr.	818	9,400	Trail Boss	7.3 gr.	935	12,700	
200 GR LEAD RNFP	UNIVERSAL	6.4 gr.	749	5,700	UNIVERSAL	8.8 gr.	1,067	13,600
	HP38	5.9 gr.	761	5,800	HP38	8.0 gr.	1,002	13,800
	TITEGROUP	5.0 gr.	731	4,700	TITEGROUP	7.7 gr.	1,050	12,700
	CLAYS	4.6 gr.	777	5,900	CLAYS	5.9 gr.	931	13,100
Trail Boss	5.5 gr.	706	8,000	Trail Boss	6.5 gr.	855	11,000	

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

SMOKELESS PISTOL AND CARBINE

STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
45 LONG COLT (CONTINUED)								
215 GR LEAD RNFP	UNIVERSAL	6.8 gr.	777	6,300	UNIVERSAL	8.6 gr.	1,001	13,800
	HP38	5.9 gr.	758	5,900	HP38	7.8 gr.	965	13,500
	TITEGROUP	5.0 gr.	728	4,800	TITEGROUP	7.2 gr.	983	12,100
	CLAYS	4.6 gr.	754	6,400	CLAYS	5.7 gr.	889	13,400
215 GR CAST LRNFP	Trail Boss	5.5 gr.	725	8,100	Trail Boss	6.5 gr.	820	10,300
225-230 GR LEAD RNFP	UNIVERSAL	6.5 gr.	761	7,600	UNIVERSAL	8.1 gr.	975	13,800
	HP38	5.8 gr.	738	7,300	HP38	7.3 gr.	941	13,700
	TITEGROUP	5.0 gr.	762	7,200	TITEGROUP	6.5 gr.	934	13,000
	CLAYS	4.4 gr.	734	7,600	CLAYS	5.4 gr.	865	13,900
	Trail Boss	5.5 gr.	685	9,100	Trail Boss	6.5 gr.	802	12,400
250 GR LEAD RNFP	HS-6	9.0 gr.	787	7,800	HS-6	10.5 gr.	946	13,300
	UNIVERSAL	6.5 gr.	742	9,200	UNIVERSAL	7.8 gr.	941	13,000
	INTERNATIONAL	5.4 gr.	786	9,200	INTERNATIONAL	6.0 gr.	866	13,400
	HP38	5.8 gr.	785	9,100	HP38	7.1 gr.	916	13,900
	TITEGROUP	5.0 gr.	716	7,600	TITEGROUP	6.2 gr.	881	13,000
	CLAYS	4.2 gr.	713	8,500	CLAYS	5.1 gr.	817	13,400
	Trail Boss	4.5 gr.	606	8,800	Trail Boss	5.8 gr.	727	12,700

LONG RANGE RIFLE

The loads listed below are representative of common calibers used. As there are so many cartridges which could be used, only a few are shown. DO NOT USE ANY FILLER MATERIAL WITH THESE LOADS, as fillers can alter pressure and velocities decidedly. Velocities were limited to approximately 1600 f.p.s. due to excessive leading at higher velocities. If you want to use any other cartridge, consult the 26th edition of Hodgdon's Powder Manual, or contact us for advice at 913-362-9455.

Use flat point bullets in tubular magazines.

*H-110 and H-4227 loads should not be reduced more than 3% due to inconsistency of velocity at the lower pressure.

LONG RANGE RIFLE

STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
25-35 WINCHESTER								
90 GR LFP W/GC	TITEGROUP	5.0 gr.	1369	18,000	TITEGROUP	7.0 gr.	1513	28,900
	Trail Boss	5.5 gr.	1224	22,000	Trail Boss	8.0 gr.	1414	23,200
30-30 WINCHESTER								
160 GR CAST	H4895	17.5 gr.	1351	15,200	H4895	21.0 gr.	1562	23,100
	H4198	15.0 gr.	1420	15,000	H4198	17.0 gr.	1616	20,600
	Trail Boss	6.5 gr.	997	20,500	Trail Boss	9.0 gr.	1195	29,100
32-40 WINCHESTER								
196 GR CAST	H110*Reduce Maximum 3%				H110	12.0 gr.	1376	19,200
	H4227*Reduce Maximum 3%				H4227	13.0 gr.	1267	18,000
	Trail Boss	5.0 gr.	833	12,500	Trail Boss	6.0 gr.	935	25,300

LONG RANGE RIFLE

STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
38-55 WINCHESTER								
250 GR CAST	H4895	21.0 gr.	1197	18,200	H4895	26.0 gr.	1600	26,500
	H4198	18.5 gr.	1408	17,100	H4198	21.0 gr.	1608	23,700
	Trail Boss	6.0 gr.	842	20,300	Trail Boss	7.0 gr.	911	25,600
40-65 WINCHESTER (SINGLE SHOT)								
400 GR BUFFALO ARMS LEAD RNFP	VARGET	35.0 gr.	1438	20,100	VARGET	38.0 gr.	1558	24,800
	H4895	33.0 gr.	1423	19,700	H4895	36.0 gr.	1554	24,200
	BENCHMARK	29.0 gr.	1321	18,800	BENCHMARK	32.5 gr.	1491	25,000
	H322	30.5 gr.	1398	19,200	H322	33.0 gr.	1520	23,900
	H4198	28.0 gr.	1441	21,200	H4198	31.0 gr.	1572	24,700
	H4227	20.0 gr.	1277	18,900	H4227	23.0 gr.	1410	24,900
	Trail Boss	11.0 gr.	889	20,000	Trail Boss	12.0 gr.	915	21,200
45-70 GOVERNMENT								
300 GR CAST	VARGET	45.0 gr.	1599	17,800	VARGET	55.0 gr.	1880	20,600
	H4895	45.0 gr.	1572	14,400	H4895	51.0 gr.	1703	15,500
	H4198	30.0 gr.	1390	14,400	H4198	35.5 gr.	1641	16,100
	Trail Boss	14.0 gr.	1199	14,400	Trail Boss	16.5v	1285	20,900
385 GR CAST	VARGET	42.5 gr.	1537	15,400	VARGET	52.5 gr.	1805	21,800
	H4895	35.0 gr.	1280	11,900	H4895	42.0 gr.	1526	23,100
	H4198	28.0 gr.	1302	13,300	H4198	32.0 gr.	1483	14,700
405 GR CAST	VARGET	40.0 gr.	1392	15,600	VARGET	50.0 gr.	1718	20,900
	H4895	40.0 gr.	1424	14,900	H4895	48.0 gr.	1645	18,900
	H4198	27.0 gr.	1251	14,200	H4198	31.0 gr.	1459	17,100
	Trail Boss	12.0 gr.	971	24,500	Trail Boss	13.0 gr.	1007	25,600
485 GR CAST	H4895	32.0 gr.	1155	15,600	H4895	39.0 gr.	1403	22,700
	H4198	28.0 gr.	1279	16,400	H4198	32.0 gr.	1434	20,400
45-120 SHARPS								
350 GR LYMAN #457122	H4895	59.0 gr.	1875	24,800	H4895	64.0 gr.	2031	26,900
	BENCHMARK	53.0 gr.	1809	24,700	BENCHMARK	57.0 gr.	1922	26,800
	H322	50.0 gr.	1717	21,000	H322	53.0 gr.	1874	27,700
	H4198	46.0 gr.	1783	22,500	H4198	49.0 gr.	1903	27,500
405 GR LYMAN #457193	VARGET	59.0 gr.	1763	24,200	VARGET	63.0 gr.	1858	28,200
	H4895	58.0 gr.	1849	26,000	H4895	64.0 gr.	2012	28,300
	BENCHMARK	53.0 gr.	1805	26,500	BENCHMARK	58.0 gr.	1917	27,200
	H322	49.0 gr.	1665	23,200	H322	52.5 gr.	1793	27,900
	H4198	45.0 gr.	1708	24,700	H4198	48.0 gr.	1818	27,200
500 GR LYMAN #457125	VARGET	56.0 gr.	1618	24,200	VARGET	61.0 gr.	1737	27,900
	H4895	54.0 gr.	1641	24,400	H4895	60.0 gr.	1809	28,500
	BENCHMARK	50.0 gr.	1607	26,600	BENCHMARK	54.5 gr.	1747	28,200
	H322	48.0 gr.	1568	25,400	H322	52.0 gr.	1695	28,300
	H4198	42.0 gr.	1523	25,200	H4198	46.5 gr.	1650	28,300
50-140 SHARPS								
425 GR LYMAN #515141	H4831	118.0 gr.	2079	22,800	H4831	125.0 gr.	2209	26,300
	H4350	105.0 gr.	2033	21,600	H4350	114.0 gr.	2242	26,700
	VARGET	95.0 gr.	2127	23,600	VARGET	102.5 gr.	2294	28,100

NEVER Exceed the Loads Listed in This Publication
For complete data, visit our website at www.hodgdon.com

LONG RANGE RIFLE								
STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
50-140 SHARPS (CONTINUED)								
515 GR	H4831	112.0 gr.	1956	23,200	H4831	118.0 gr.	2085	27,500
LYMAN	H4350	101.0 gr.	1916	22,000	H4350	108.0 gr.	2091	27,200
#515142	VARGET	87.0 gr.	1958	24,000	VARGET	95.0 gr.	2088	27,900

POCKET PISTOL								
STARTING LOADS					MAXIMUM LOADS			
BULLET	POWDER	GRS.	VEL. fps	CUP	POWDER	GRS.	VEL. fps	CUP
32 S&W								
85 GR CAST	HP38	1.1 gr.	610		HP38	1.4 gr.	680	
32 S&W LONG								
90 GR CAST	HP38	1.6 gr.	600		HP38	1.9 gr.	700	
38 S&W								
145 GR CAST	HP38	2.2 gr.	595		HP38	2.5 gr.	630	
38 SHORT COLT								
90 GR	UNIVERSAL	2.9 gr.	634		UNIVERSAL	3.4 gr.	775	
AA 206 LRN	HP38	2.4 gr.	609		HP38	2.8 gr.	749	
	TITEGROUP	2.3 gr.	639		TITEGROUP	2.7 gr.	791	
	CLAYS	1.8 gr.	634		CLAYS	2.1 gr.	778	
135 GR	UNIVERSAL	2.4 gr.	624		UNIVERSAL	2.8 gr.	771	
AA 202 LFP	HP38	2.4 gr.	657		HP38	2.8 gr.	777	
	TITEGROUP	2.3 gr.	646		TITEGROUP	2.7 gr.	760	
	CLAYS	1.8 gr.	648		CLAYS	2.1 gr.	731	

PYRODEX PELLETS IN METALLIC CARTRIDGES				
CARTRIDGE	BULLET	PELLETS USED	VELOCITY	PRESSURE
44 REM MAG	240 SWC	1 - PYRODEX PISTOL	1053 FPS	17,100 CUP
44/40 WCF	200 RNFP	1 - PYRODEX PISTOL	943 FPS	12,700 CUP
45 COLT	230 RNFP	1 - PYRODEX PISTOL	870 FPS	9,600 CUP
45 COLT	250 RNFP	1 - PYRODEX PISTOL	818 FPS	10,000 CUP
45-70 GOV.	405 RNFP	1 - 50/50	1015 FPS	14,200 CUP
45-70 GOV.	405 RNFP	2 - 50/30	1270 FPS	27,200 CUP
45-70 GOV.	405 RNFP	2 - PYRODEX PISTOL	1231 FPS	21,900 CUP

Please contact Hodgdon Powder Company for a FREE copy of our Pyrodex Manual or information on our NEW Triple Seven muzzleloading propellant.

*H-110 and H-4227 loads should not be reduced more than 3% due to inconsistency of velocity at the lower pressure.

TRIPLE SEVEN PISTOL & LONG RANGE RIFLE LOADS

All loads with Triple Seven were developed by filling the case to a point that would allow the base of the bullet to come into contact with the powder charge. WARNING: NO COMPRESSION SHOULD BE USED WITH Triple Seven. High pressure may result by compressing this powder. Damage to your firearm may occur with heavy compression that could cause injury to the shooter. A single card wad of approximately .030 may be used between the base of the bullet and the powder charge. No other wads or fillers should be used in Triple Seven loads. All powder charges are measured by VOLUME with an adjustable black powder measure, not weighed. Do not use a powder measure designed for smokeless powder. (read warning section)

TRIPLE SEVEN PISTOL					
CALIBER	TRIPLE SEVEN (Set Your Powder Measure @)	BULLET	VELOCITY	PRESSURE	
32-20 Win.	FFg	18 gr.	90 gr. RNFP	968 fps	11,000 CUP
32-20 Win.	FFg	18 gr.	115 gr. LFP	864 fps	12,100 CUP
38 Long Colt	FFg	15 gr.	125 gr. LRN	808 fps	5,500 CUP
38 Long Colt	FFg	12 gr.	150 gr. LRN	740 fps	6,000 CUP
38 Special	FFg	20 gr.	125 gr. RNFP	931 fps	8,800 CUP
38 Special	FFg	15 gr.	158 gr. RNFP	785 fps	7,600 CUP
357 Magnum	FFg	20 gr.	135 gr. LRN	948 fps	<12,000 CUP
357 Magnum	FFg	18 gr.	158 gr. LSWC	796 fps	<12,000 CUP
38-40	FFg	30 gr.	180 gr. RNFP	887 fps	7,700 CUP
44 Special	FFg	25 gr.	160 gr. LRNFP	957 fps	7,000 CUP
44 Special	FFg	185 gr. LRNFP	924 fps	8,100 CUP	
44 Special	FFg	25 gr.	200 gr. LRNFP	905 fps	8,300 CUP
44 Special	FFg	20 gr.	240 gr. LRNFP	777 fps	7,800 CUP
44-40	FFg	30 gr.	200 gr. RNFP	830 fps	6,500 CUP
44 Magnum	FFg	30 gr.	200 gr. LSWC	984 fps	8,800 CUP
44 Magnum	FFg	25 gr.	240 gr. LSWC	868 fps	9,100 CUP
45 S&W	FFg	25 gr.	200 gr. LSWC	869 fps	6,600 CUP
45 S&W	FFg	25 gr.	230 gr. LRN	800 fps	6,500 CUP
45 S&W	FFg	25 gr.	250 gr. LRNFP	813 fps	7,500 CUP
45 Colt	FFg	35 gr.	200 gr. LSWC	959 fps	8,500 CUP
45 Colt	FFg	30 gr.	250 gr. RNFP	838 fps	9,500 CUP

NOTE: All powder charges are measured by volume, not weight

TRIPLE SEVEN RIFLE				
CALIBER	TRIPLE SEVEN (Set Your Powder Measure @)	BULLET	VELOCITY	
25-35 Win.	35 gr.	FFg	90 gr. LFP W/GC	1718 fps
30-30 Win.	40 gr.	FFg	160 gr. LRN	1547 fps
38-55	35 gr.	FFg	250 gr. RNFP	1261 fps
40-65 Single Shot	50 gr.	FFg	400 gr. Lead	1152 fps
45-70	65 gr.	FFg	300 gr. LRNFP	1512 fps
45-70	65 gr.	FFg	350 gr. LRNFP	1380 fps
45-70	60 gr.	FFg	485 gr. LFP	1161 fps
45-70	55 gr.	FFg	500 gr. #457125	1148 fps
45-120	90 gr.	FFg	350 gr. LRNFP +2 Wonder wads	1607 fps
45-120	95 gr.	FFg	405 gr. RNFP	1511 fps
45-120	95 gr.	FFg	500 gr. LFP	1375 fps
50-140	95 gr.	FFg	425 gr. LRNFP +3 - 1/4" Fiberwads	1452 fps
50-140	85 gr.	FFg	515 gr. LRNFP +7 Wonder wads	1245 fps

PYRODEX PISTOL & LONG RANGE RIFLE LOADS

All pistol loads shown were developed by filling the case to a point which allowed the powder to be compressed 1/16" to 1/8" when the bullet was seated. All rifle loads used a card wad of approximately .030" between the base of the bullet and the powder. The powder charges listed in the data are by volume, not weight. Use an adjustable powder measure designed for blackpowder to measure the proper charge.

The shooter may have to use a long drop tube to assist in filling the case. To reduce loads in straight sided cases simply insert card or polyethylene wads between the base of the bullet and the powder. DO NOT USE ANY OTHER FILLER. LOADS FOR THE 38-40 AND THE 44-40 SHOULD NOT BE REDUCED. NEVER ALLOW AN AIR SPACE BETWEEN THE BULLET AND THE POWDER.

PYRODEX PISTOL

CALIBER	GRADE OF PYRODEX (Set Your Powder Measure @)	BULLET	VELOCITY	PRESSURE
38-40 WCF	P	30 gr.	180 gr. RNFP	920 fps
38-40 WCF	RS	30 gr.	180 gr. RNFP	903 fps
38-40 WCF	Select	30 gr.	180 gr. RNFP	821 fps
44 Special	P	30 gr.	200 gr. RNFP	990 fps
44 Special	RS	30 gr.	200 gr. RNFP	962 fps
44 Special	Select	30 gr.	200 gr. RNFP	901 fps
44 Special	P	25 gr.	240 gr. SWC	891 fps
44 Special	RS	25 gr.	240 gr. SWC	831 fps
44 Special	Select	25 gr.	240 gr. SWC	816 fps
44 Magnum	P	32 gr.	200 gr. RNFP	1022 fps
44 Magnum	RS	32 gr.	200 gr. RNFP	957 fps
44 Magnum	Select	32 gr.	200 gr. RNFP	864 fps
44 Magnum	P	30 gr.	240 gr. SWC	1000 fps
44 Magnum	RS	30 gr.	240 gr. SWC	908 fps
44 Magnum	Select	30 gr.	240 gr. SWC	809 fps
44-40 WCF	P	35 gr.	200 gr. RNFP	802 fps
44-40 WCF	RS	35 gr.	200 gr. RNFP	800 fps
44-40 WCF	Select	35 gr.	200 gr. RNFP	704 fps
45 Long Colt	P	37 gr.	250 gr. RNFP	955 fps
45 Long Colt	RS	37 gr.	250 gr. RNFP	918 fps
45 Long Colt	Select	37 gr.	250 gr. RNFP	848 fps

NOTE: All powder charges are measured by volume, not weight

PYRODEX RIFLE

CALIBER	GRADE OF PYRODEX (Set Your Powder Measure @)	BULLET	WAD	VELOCITY
38-55	55 gr. RS/Select	250 gr.	Card .030"	1320 fps
40/65 Win.	60 gr. RS/Select	400 gr.	*1/16" Polyethylene	1214 fps
40/70 SBN	60 gr. P	400 gr.	Card .030"	1272 fps
40/70 SBN	70 gr. RS/Select	400 gr.	* Card .030"	1292 fps
45/70	60 gr. RS/Select	420 gr.	* Ox-Yoke	1248 fps
45/70	65 gr. RS/Select	465 gr.	Card .030"	1355 fps
45/70	65 gr. RS/Select	540 gr.	1/16" Polyethylene	1107 fps
45/90	70 gr. RS/Select	508 gr.	Card .030"	1207 fps
45/90	85 gr. RS/Select	508 gr.	Card .030"	1311 fps

Polyethylene wads are cut from plastic milk cartons. .030 card wads are cut from tablet back or bullet boxes. Ox-Yoke prelubricated felt wads are from Ox-Yoke manufacturing.

TRIPLE SEVEN & PYRODEX SHOTSHELL

Any brand of shot shell may be used to create these loads. Simply put the correct charge of Pyrodex or Triple Seven (by volume) into the case and adjust the wad column height for a good crimp.

Powder charges are measured in an adjustable powder measure designed for blackpowder.

Generally, one .200 nitro wad over the powder and a 1/2" felt cushion wad will give a column height close to the correct length. The addition of .050 nitro wads to the column will allow for height adjustments for different hulls. A shot collar or shot cup may be used to contain the shot charge with no adjustment to powder charge.

CAUTION: Damascus barrels should be considered unsafe with **ANY POWDER!**
(READ WARNINGS SECTION.)

TRIPLE SEVEN & PYRODEX DATA FOR BREECH LOADING SHOTGUNS

Gauge	Shot Wt. Oz.	Wad Column	Set Your Measure @	Velocity	L.U.P.
10-3 1/2	2	Card + Filler	140 Pyrodex	1154	6900
10-2 7/8	1 5/8	Card + Filler	105 Pyrodex	1115	4900
12-2 3/4	1 1/8	Card + Filler	100 Pyrodex	1043	5700
12-2 3/4	1 1/8	WAA12R	70 Pyrodex	1100	6500
12-2 3/4	1 1/8	WAA12R	70 Triple Seven	1187	7700
12-2 3/4	1 1/4	Card + Filler	90 Pyrodex	1039	5800
12-2 3/4	1 1/2	Card + Filler	90 Pyrodex	1012	5900
16-2 3/4	1	Card + Filler	90 Pyrodex	1128	5600
16-2 3/4	1 1/8	Card + Filler	80 Pyrodex	1095	5800
16-2 3/4	1 1/4	Card + Filler	80 Pyrodex	1040	6000
20-2 3/4	7/8	Card + Filler	80 Pyrodex	1134	5800
20-2 3/4	1	Card + Filler	70 Pyrodex	1090	5900
20-2 3/4	1 1/8	Card + Filler	65 Pyrodex	1052	5900

CAP AND BALL REVOLVERS

Set your blackpowder measure at the volume settings shown

CAP BALL REVOLVERS

All loads shown are maximum.

CALIBER	BALL DIAMETER	POWDER	POWDER MEASURE SETTING	VELOCITY FPS
31	.320 or 0 Buckshot	Pyrodex P	12 Gr.	580
36	.375 or 0000 Buckshot	Pyrodex P	28 Gr.	935
36	.375 or 0000 Buckshot	Triple Seven	15 Gr.	662
36	.375 or 0000 Buckshot	Triple Seven	20 Gr.	832
44	.451 or .454	Pyrodex P	37 Gr.	910
44	.451 or .454	Pyrodex Pistol Pellet		800
44	.451 or .454	Triple Seven	20 Gr.	536
44	.451 or .454	Triple Seven	25 Gr.	763
45 Ruger	.457 Round ball	Pyrodex P	43 Gr.	986
45 Ruger	.457 Round ball	Triple Seven	30 Gr.	845
45 Ruger	.457 Round ball	Triple Seven	35 Gr.	987



SHOTSHELL data

Warnings

NEVER Exceed the Loads Listed in This Publication

The data in this manual was developed in the Hodgdon Laboratory under controlled conditions. No data shown in the ensuing lead data section should be used with steel or Bismuth shot. **NEVER** substitute components when loading shotshells using this data. Substitution of different components could cause excessive or dangerous pressures, which could damage or destroy your firearm or cause serious personal injury or even death to the user and/or bystanders.

The format provides a convenient presentation of all components used for a given set of data. Loads are listed alphabetically by case type and then alphabetically by primer type with each set of data. In addition, each set of components is shown in even velocity increments corresponding to the old Dram equivalent velocities. This allows the shooter to choose loads similar to factory loadings.

After choosing an appropriate load, be sure to weigh actual charges thrown by the bushing or charge bar. No bushing or charge bar throws the exact charge as listed in the tables. Such changes occur because of small tolerances in bushing sizes, tolerances in bulk density of powder, and the way each loader is mounted and operated. It is important to verify these weights for safety and to insure getting the type load you want.

Since Hodgdon Powder Company has no control over variations in components, reloading tools or reloader's procedures, the individual is solely responsible for any changes in ballistics that may occur using this data.

Damascus barreled shotguns should NOT be used with any powder due to their weak construction. Barrel rupture may result in injury or death to the shooter and/or bystanders.

NEVER Exceed the Loads Listed in this Publication.

Wad chart

The following chart shows wads that may be substituted for current popular models as listed in the ensuing data.

Federal 12C1: CB3118-12AR
Federal 12S0: CB2100-12, XXL Orange
Federal 12S3: CB2118-12, DRF3
Hor. Versalite: Down Range DRV-12
Hor. Versalite 20: Down Range DRV-20
Pattern Control Red PC: Post PC
Remington Fig. 8: CB3118-12A, DRRF8
Remington SP 20: Remington SP205
WAA12R: CB1138-12
WAA12: CB1118-12, CB0118-12, WT12, Blue Duster, Down Range XL-1 1/8, DRA12,

Remington TGT12: DRT12
WAA12SL: CB1100-12, Green Duster, Down Range Jammer XL-1, Down Range XL-1 Green, DRA-12-PINK
WAA12L: CB0178-12, XXL PINK
WAA12F114: CB1114-12, DRA-12 Yellow
WAA20: CB1078-20
WAA28: CB1034-28
WAA28HS: CB5034-28HS
WAA41, SPA410, 410SC: CB1050-41
Windjammer: CB4118-12, DWJ-12-RPL

Primer Substitution: The Nobel Sport 209 primer may be safely substituted wherever the Winchester 209 primer is shown.

Notes on Recoil

In physics we learned that for every force there is an equal and opposite force. In a firearm, the gases generated by burning powder push the ejecta (shot and wad) down the barrel and in turn push the shotgun in the opposite direction creating what we call recoil. According to physics, the momentum of a free recoiling firearm is equal and opposite in direction to the momentum of the ejecta and powder charge. The formula for free recoil of a firearm is:

$$\text{Recoil Energy in ft. lbs.} = \frac{(Bw Mv + 4700 Pw)^2}{64.348 Gw}$$

Where Gw = the weight of the gun in pounds
 Bw = weight of the ejecta (shot and wad) in pounds
 Pw = powder weight in pounds
 Mv = muzzle velocity in feet per second

Example: Our shooter has an 8 lb. target gun with a load using 18.0 grs. of Clays, a wad weighing 33.0 gr., shot charge of 1 1/8 oz. and giving 1200 f/s muzzle velocity. First, we must convert the ejecta weight to lbs. (1 1/8 oz. = 492.0 gr.) Dividing grains by 7000 converts to pounds.

$$Gw = 8 \text{ lb.}$$
$$Bw = \frac{492.0 + 33.0}{7000} = \frac{525}{7000} = .075 \text{ lb.}$$

$$Pw = \frac{18}{7000} = .003 \text{ lb.}$$

$$Mv = 1200 \text{ ft/sec}$$

Substituting the numbers in the formula we find the

$$\text{Recoil energy of the shooters load} = \frac{[(.075 \times 1200) + (4700 \times .003)]^2}{64.348 \times 8} = 21.05 \text{ ft/lbs}$$

Unfortunately, too many shooters think that pressure has an effect on recoil. In truth, it doesn't. It is not included in the formula for calculating recoil as noted in our example. However, there are factors that effect our perception of recoil. A major factor is muzzle blast. Clean burning powders help limit muzzle blast, are quieter, and therefore seem lower in recoil.

Some people think slow burning powders produce less recoil. What they are perceiving is the longer time it takes the powder to reach peak pressure, which gives the same recoil as a faster burning powder, just over a longer period of time. Others like the faster burning powders which peak quicker, although still the same recoil, just a shorter period of recoil. Perception can be everything to a shooter, so he should shoot what he "feels" is the most comfortable. That is why Hodgdon has a complete range of powders to cover all perceptions and needs.

The only real way to lessen recoil is to lower velocities, or lessen shot charge, or both.

Shooters!



Guarantee the future of shooting by educating tomorrow's handloaders. Hodgdon Powder supports the NRA Foundation's Handloading Education Endowment Fund—you can too!
Contact: Executive Director, The NRA Foundation, 11250 Waples Mill Road, Fairfax, VA 22030

Lee

BUSHING #	CLAYS	INTER	UNIV	HS-6	H110	TITE WAD	LIL' GUN	LGSH	TITE GRP	700-X	800-X	PB	7625	4756	WST	WSF	WAA LITE	SUPER HCP
.095	10.7	12.3	15.2	21.9	22.5	12.4	23.5	19.1	18.4	10.9	11.0	12.1	14.4	14.7	12.1	18.1	12.0	17.4
.100	11.3	13.0	16.0	23.0	23.7	13.0	24.7	20.1	19.2	11.5	11.6	12.7	15.2	15.5	12.7	19.0	12.6	18.3
.105	11.8	13.7	16.8	24.2	24.9	13.7	26.0	21.1	20.0	12.0	13.0	13.4	15.9	16.3	13.4	20.0	13.3	19.2
.110	12.4	14.3	17.6	25.3	26.1	14.3	27.2	22.1	20.8	12.6	13.7	14.0	16.7	17.0	14.0	21.0	13.9	20.1
.116	13.0	15.1	18.5	26.7	27.5	15.1	28.7	23.3	21.7	13.3	15.9	14.7	17.3	17.9	14.8	22.1	14.6	21.3
.122	13.7	15.9	19.5	28.1	28.9	15.9	30.2	24.5	22.9	14.0	16.7	15.5	18.5	18.9	15.6	23.2	15.4	22.4
.128	14.4	16.6	20.4	29.4	30.3	16.7	31.7	25.7	24.1	14.7	17.5	16.3	19.4	19.8	16.3	24.4	16.1	23.5
.134	15.0	17.5	21.4	30.8	31.8	17.5	33.1	26.9	25.3	15.4	18.3	17.1	20.3	20.7	17.1	25.5	16.9	24.6
.141	15.8	18.4	22.5	32.4	33.4	18.4	34.9	28.3	26.5	16.0	19.2	17.9	21.3	21.8	18.1	26.9	17.8	25.9
.148	16.6	19.3	23.6	34.0	35.1	19.3	36.5	29.8	-	16.7	20.3	18.9	22.4	22.9	19.0	28.2	18.7	27.2
.151	16.7	19.6	24.0	-	-	19.7	37.2	30.4	-	17.1	20.7	19.2	22.9	23.4	19.4	28.8	19.1	27.7
.155	17.3	20.1	24.7	35.7	36.7	20.4	38.2	31.1	-	17.5	21.2	19.7	23.5	24.0	19.9	29.6	19.6	28.5
.163	18.2	21.1	25.9	37.5	38.6	21.4	40.2	32.7	-	18.4	22.3	20.7	24.7	25.2	21.0	31.2	20.5	30.0
.171	19.1	22.0	27.1	39.3	40.5	22.5	42.1	34.3	-	19.3	23.4	21.8	25.9	26.5	22.0	32.9	21.5	31.5
.180	20.1	23.1	28.5	41.4	42.7	23.6	44.4	36.1	-	20.4	24.6	22.8	27.3	27.8	23.2	34.4	22.7	33.2
.189	21.2	24.1	29.9	43.5	44.8	-	46.6	37.9	-	21.4	25.9	24.0	28.6	29.2	24.3	36.2	23.9	34.8
.198	22.1	25.2	31.3	45.5	46.9	26.0	48.8	39.7	-	22.4	27.1	25.1	30.0	30.6	25.5	37.7	25.0	36.5

INTERNATIONAL - INTER
 UNIVERSAL - UNIV
 LONGSHOT - LGSH

Ponsness Warren

BUSHING #	CLAYS	INTER	UNIV	HS-6	H11J	TITE WAD	LIL' GUN	LGSH	TITE GRP	700-X	800-X	PB	7625	4756	WST	WSF	WAA LITE	SUPER HCP
1AX								12.0										
2AX								12.7										
3AX								13.1										
1A					13.7													
2A					14.3													
3A				15.3	15.9			13.0										
A				16.8	17.5			15.0										
B				17.6				15.5	14.5									
C			12.5	18.5				16.5	15.0				12.5	12.7				
C1			13.0	19.6				17.0	16.0				13.2	13.3		16.4	11.4	15.5
D			13.2	20.4				17.3	16.3				13.5	13.6		16.6	11.6	15.7
D1			14.0	21.3				18.2	17.0			11.8	14.3	14.3	12.6	17.7	12.0	17.0
E			15.7	23.5				20.7	19.4		13.3	13.2	16.0	15.9	14.1	20.1	14.0	19.0
E1			16.2	24.0				21.6	20.0		14.0	13.7	16.6	16.6	14.6	20.8	14.3	19.8
E2			17.2	26.1		14.7		22.8	21.3	12.9	14.9	14.5	17.5	17.6	15.2	21.9	15.0	20.9
F			18.1	27.5		15.6		24.2	22.7	13.9	16.0	15.5	18.4	18.7	16.4	23.2	16.1	22.1
F1			18.3	28.3		15.8		24.4	22.9	14.0	16.2	15.6	18.5	18.8	16.5	23.4	16.2	22.2
F2						16.4		25.3	23.5	14.6	16.6	16.0	19.2	19.5	16.9	24.2	16.5	23.1
F6			18.9															
G			20.2	31.2		17.4		26.8	24.7	15.6	17.6	17.1	20.5	20.7	18.1	25.7	17.2	23.3
G1			20.6	32.7		17.7		27.1		15.9	17.8	17.4	20.8	21.0	18.5	26.0	17.3	24.0
H	16.0	18.5	22.0	34.0		18.9		29.0		17.1	19.0	18.7	22.2	22.4	19.7	28.0	18.8	
I	16.7	19.3	22.8	34.4		19.6		30.0		17.6	19.6	19.2	22.9	23.1	20.3	29.0		
J	17.2	19.8	23.9	35.5		20.3		31.2		18.4	20.4	20.0	23.8	24.0	20.9	30.2		
J1	17.6	20.3	24.5	36.9		21.0		32.0		19.2	20.9	20.5	24.6	24.8	21.7	31.1		
K	17.8	20.6	24.8	37.1		21.3		32.5		19.5	21.2	20.8	24.9	25.1	22.0	31.8		
L	18.7	21.6	25.7	39.5		22.2		34.0		20.1	22.1	21.8	26.1	26.3	23.1			
M	19.7	22.5	26.8	41.2		23.4		35.7		21.5	23.7	23.1	27.6	27.8	24.6			
N	20.8	23.7	28.2			25.2		38.0		22.9	25.3	24.6	29.4	29.7				
O	21.0	24.0	28.5					38.5			25.8	25.1	29.8	30.1				
P	21.5	24.5						39.9			26.2	25.5	30.7	31.0				
Q	21.9	25.0						40.1			26.4	25.7	30.8	31.2				
R								41.8			27.5	26.7	32.1	32.5				
S								42.5			28.0	27.2	32.6	33.1				
T								45.4			29.4	27.8	34.7	35.2				
U											31.7		37.3					
V											32.3		38.0					
W											34.9		40.1					
X													40.9					
Y														42.2				

INTERNATIONAL - INTER
UNIVERSAL - UNIV
LONGSHOT - LGSH

Hornady/ Spolar

GRS	CLAYS	INTER	UNIV	HS-6	H110	TITE WAD	LIL' GUN	BUSHING NUMBERS							4756	WST	WSF	WAA LITE	SUPER HCP
								TITE LGSB	TITE GRP	700-X	800-X	PB	7625						
11.0		333															321		
12.0		348					250					345			333		342		
13.0		363			256		259				360	360	327		348		351		
13.5			330				266										354		
14.0		375	342		266			300			372	372	339	339	360		363		
14.7									318			381			372		372		
15.0	390	354				384		309	324	408	381				378		378	324	
16.0	429	402	366			396		318	330	420		396	360	360	387		390	386	
16.5	435	408	372			402		327	336	423	396		372	372	393	330	402	339	
17.0	441	414	378	300		408		330	342	429		414			399	336	408	342	
17.4	447	417	384			414		336	345	435	414	420	381	381	405	339	414	348	
18.0	456	423	390	309		420		339	351	441	420	423			411	345	420	354	
18.5	462	429	393			426		345	357	447	426	429	390	3*90	417	348	426	360	
19.0	468	435	402	318		432		348	360	450	429	435	396	396	423	354	432	363	
19.4	474	438	405			435		354	363	459	435	441			426	357		369	
20.0	483	447	411	327		441		357	369	465	441	444	408	408	432	363		372	
20.6	489	453	417			450		363	375	468	447	453	414	414	441	369		375	
21.0	495	459	420	336		453		366	378	471	453	456			444	372		381	
21.5	501	465	423			459		369	381	474	459	459	420	420	450	378		384	
22.0	507	471	429	345		462		372	387	486	462	468			426	456	381	390	
22.5		477	432			468		378	390		468	474			429	459	387	396	
23.0		483	438	351		474		381	396		471	480	435	435	465	390		399	
23.5		489	441					384	399		474	486	444	438	468	396		405	
24.0		495	447	360		486		390	405				450	441	474	399		408	
24.5		501	450			489		393			486			453	444	477		402	
25.0		507	456	366		492		396				498	456	453	483			408	
26.0			468	375				405				507	462	459				417	
27.0			480	381				414				516	471	471				423	
28.0			489	387				423			525	525	480	480				429	
29.0			501	393				429					486	486				438	
30.0				402				435			534		498	498				444	
31.0				408				444						507				450	
32.0				414				450						516				456	
33.0				423				459										459	
34.0				429				465							525				
35.0				435				471							534				
36.0				441				480											
37.0				444				486								549			
38.0				450				492								558			
39.0								498											

INTERNATIONAL - INTER
UNIVERSAL - UNIV
LONGSHOT - LGSH

Mec

BUSHING #						TITE	LIL'	TITE											WAA	SUPER
	CLAYS	INTER	UNIV	HS-6	H110	WAD	GUN	GRP	700-X	800-X	PB	7625	4756	WST	WSF	LITE	HCP			
7							11.9													
8							12.5													
9							12.9													
10					13.5		13.4	11.0												
11					14.4			11.7												
12					15.4			12.4												
AT12				15.5	16.4			13.2												
13				16.1	17.0			13.9												
14				17.9				15.4	13.8											
15			12.0	18.8				16.1	14.5			12.2	12.4				14.6			
16		10.8	12.9	19.8				17.0	15.4			13.0	13.1		16.2	11.6	15.4			
17		11.4	13.5	20.7				17.8	16.2			13.6	13.7	11.9	17.0	11.9	16.1			
18		11.8	14.0	21.6				18.7	17.1		11.8	14.3	14.3	12.5	17.8	12.2	17.0			
19		12.3	14.6	22.6				19.5	18.1		12.2	12.6	14.9	14.9	13.1	18.6	12.9	17.6		
20		12.9	15.5	23.7		13.3		20.3	19.0		12.9	12.9	15.7	15.6	13.8	19.6	13.7	18.6		
21		13.3	16.0	24.7		13.9		21.2	19.7			13.6	13.5	16.3	16.3	14.3	20.4	14.2	19.3	
22		14.3	16.8	25.8		14.5		22.1	20.2	12.5	14.4	14.1	17.0	17.1	14.9	21.3	14.7	20.4		
23		14.6	17.4	26.8		15.2		23.1	21.1	13.1	15.1	14.7	17.6	17.8	15.5	22.1	15.3	21.2		
24		15.5	18.3	27.9		15.8		24.0	21.9	13.7	15.7	15.3	18.3	18.5	16.2	23.0	15.4	22.1		
25		16.0	18.9	28.9		16.2		24.8	22.7	14.3	16.5	15.8	18.9	19.2	16.8	23.8	16.3	22.8		
26		16.6	19.1	30.3		16.9		25.9	23.7	15.0	16.9	16.5	19.8	20.1	17.6	24.9	16.9	23.8		
27	14.6	17.1	20.2	31.2		17.6		26.9	24.7	15.6	17.6	17.1	20.5	20.8	18.2	25.7	17.6			
28	15.2	17.7	21.1	32.6		18.3		28.0	25.8	16.3	18.2	17.8	21.3	21.5	18.9	26.6	18.3			
29	15.9	18.3	21.7	33.6		19.0		29.0		16.9	18.8	18.5	22.0	22.2	19.5	27.6				
30	16.3	19.1	22.7	35.0		19.7		30.1		19.6	19.6	19.2	22.9	23.1	20.4	29.0				
31	16.9	19.9	23.4	36.2		20.4		31.1		18.3	20.3	19.9	23.7	23.9	21.0	30.0				
32	17.5	20.6	24.4	37.8		21.4		32.2		19.3	21.0	20.6	24.8	25.0	21.8	31.4				
33	18.2	21.2	25.2	39.0		22.2		33.3		19.7	21.7	21.3	25.6	25.8	22.6	32.4				
34	18.9	21.9	26.0	40.4		23.0		34.5		20.4	22.5	22.1	26.5	26.7	23.4					
35	19.4	22.6	26.7	41.1		23.4		35.6		21.2	23.4	22.8	27.3	27.5	24.2					
36	20.1	23.4	27.6	43.0		24.0		36.7		21.9	24.2	23.6	28.4	28.6	25.2					
37	20.7	24.2	28.7	44.4		25.3		38.0		22.7	25.1	24.4	29.2	29.5						
38	21.4	25.1	29.7	46.2				39.3			25.9	25.2	30.3	30.6						
38A	22.0	26.0						40.6			26.7	26.0	31.2	31.6						
39	22.8	26.9		47.6				42.0			27.5	26.7	32.1	32.5						
39A								43.1			28.3	27.5	33.0	33.5						
40								44.4			29.1	28.4	34.0	34.5						
41								47.3			31.0	30.1	35.8	36.4						
41A								48.8						37.5						
42								50.2						38.4						
42A								51.5						39.4						
43								53.0						40.4						
43A														41.4						

INTERNATIONAL - INTER
 UNIVERSAL - UNIV
 LONGSHOT - LGSH

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
*Velocity is measured in feet per second (fps). Pressure is measured in Lead Units of Pressure (LUP) or in Pounds per Square Inch (PSI).						
10 GA., 3 1/2", FEDERAL PLASTIC SHELL WITH PAPER BASEWAD						
1165 fps						
2 oz	HS-6	CCI 209M	Rem. SP10 + 2-20 ga. .135" Card	40.0 gr/	9,900 PSI	
1250 fps 1300 fps						
2 oz	Longshot	CCI209M	Rem. SP10 + 1-20 ga. .135" Card	39.4 gr/	9,600 PSI	—
2 oz	Longshot	Fed. 209A	Rem. SP10 + 1-20 ga. .135" Card	40.5 gr/	9,900 PSI	41.2 gr/ 11,000 PSI
1175 fps 1225 fps						
2 oz	SR 4756	Fed. 209A	Rem. SP10 + 2-20 ga. .125" Card	37.0 gr/	10,800 PSI	—
2 oz	SR 4756	Rem. 209P	Rem. SP10 + 2-20 ga. .125" Card	—		41.5 gr/ 10,800 PSI
2 oz	800-X	Fed. 209A	Rem. SP10 + 4-20 ga. .125" Card	32.0 gr/	10,900 PSI	—
1250 fps						
2 1/4 oz	Longshot	CCI209M	Rem. SP10 + 1-20 ga. .135" Card	33.0 gr/	10,800 PSI	
2 1/4 oz	Longshot	Fed. 209A	Rem. SP10 + 1-20 ga. .135" Card	33.0 gr/	10,500 PSI	
2 1/4 oz	Longshot	Rem. 209P	Rem. SP10 + 1-20 ga. .135" Card	34.0 gr/	10,300 PSI	
10 GA., 3 1/2", REMINGTON PLASTIC SHELL WITH YELLOW PLASTIC BASEWAD						
1165 fps						
2 oz	HS-6	CCI 209M	Rem. SP10 + 3-20 ga. .135" Card	40.0 gr/	11,000 PSI	
1200 fps						
2 oz	Longshot	Fed. 209A	Rem. SP10 + 2-20 ga. .135" Card	36.5 gr/	11,000 PSI	
2 oz	Longshot	Rem. 209P	Rem. SP10 + 2-20 ga. .135" Card	37.5 gr/	11,000 PSI	
2 oz	Longshot	Win. 209	Rem. SP10 + 2-20 ga. .135" Card	38.0 gr/	10,700 PSI	
1250 fps						
2 1/4 oz	Longshot	CCI209M	Rem. SP10 + 1-20 ga. .135" Card	33.0 gr/	11,000 PSI	
2 1/4 oz	Longshot	Fed. 209A	Rem. SP10 + 1-20 ga. .135" Card	32.0 gr/	11,000 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*							
10 GA., 3 1/2", REMINGTON PLASTIC SHELL WITH YELLOW PLASTIC BASEWAD (CONT.)											
1250 fps											
2 1/4 oz	Longshot	Rem. 209P	Rem. SP10 + 1-20 ga. .135" Card	33.5 gr/	10,800 PSI						
1200 fps											
2 oz	SR 4756	Rem. 209P	Rem. SP10 + 2-20 ga. .125" Card	39.5 gr/	10,800 PSI						
1150 fps											
2 oz	800-X	Rem. 209P	Rem. SP10 + 4-20 ga. .125" Card	30.0 gr/	10,900 PSI						
1250 fps											
2 oz	SR 4756	Win. 209	Rem. SP10 + 1-20 ga. .125" Card	42.0 gr/	10,700 PSI						
1250 fps											
2 oz	800-X	Win. 209	Rem. SP10 + 2-20 ga. .125" Card	35.0 gr/	10,800 PSI						
1150 fps											
2 1/4 oz	SR 4756	Win. 209	Rem. SP10	37.0 gr/	11,000 PSI						
2 1/4 oz	800-X	Win. 209	Rem. SP10	32.0 gr/	10,900 PSI						
10 GA., 3 1/2", WINCHESTER POLYFORMED PLASTIC SHELL W/ PLASTIC BASEWAD											
1165 fps											
2 oz	HS-6	CCI 209M	Rem. SP10 + 2-20 ga. .135" Card	40.0 gr/	10,700 PSI						
1250 fps											
2 oz	Longshot	CCI209M	Rem. SP10 + 2-20 ga. .135" Card	37.0 gr/	10,900 PSI						
2 oz	Longshot	Fed. 209A	Rem. SP10 + 2-20 ga. .135" Card	37.0 gr/	11,000 PSI						
2 oz	Longshot	Win. 209	Rem. SP10 + 2-20 ga. .135" Card	38.6 gr/	10,200 PSI						
1200 fps											
2 1/4 oz	Longshot	CCI209M	Rem. SP10	33.5 gr/	11,000 PSI						
2 1/4 oz	Longshot	Fed. 209A	Rem. SP10	31.5 gr/	10,800 PSI						
2 1/4 oz	Longshot	Win. 209	Rem. SP10	37.5 gr/	10,900 PSI						
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS											
1250 fps 1300 fps 1350 fps 1400 fps											
7/8 oz	Titewad	CCI 209SC	WAA12L	18.1 gr/	7,100 PSI	19.0 gr/	8,100 PSI	20.3 gr/	8,700 PSI	21.4 gr/	9,900 PSI
7/8 oz	Titewad	Fed. 209A	Fed. 12S0	19.5 gr/	6,400 PSI	20.5 gr/	7,500 PSI	21.6 gr/	8,800 PSI	22.7 gr/	9,800 PSI
7/8 oz	Titewad	Win. 209	WAA12L	18.4 gr/	6,800 PSI	19.3 gr/	7,400 PSI	20.6 gr/	8,700 PSI	21.9 gr/	9,300 PSI
7/8 oz	Clays	CCI 209SC	WAA12L	19.0 gr/	6,700 PSI	20.5 gr/	8,000 PSI	21.7 gr/	9,400 PSI	22.5 gr/	11,300 PSI
7/8 oz	Clays	Fed. 209A	WAA12L	19.2 gr/	7,400 PSI	20.0 gr/	8,000 PSI	21.5 gr/	9,700 PSI	22.5 gr/	11,500 PSI
7/8 oz	Clays	Win. 209	WAA12L	19.0 gr/	7,000 PSI	20.3 gr/	8,000 PSI	22.0 gr/	8,800 PSI	23.0 gr/	10,500 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1300 fps	1350 fps	1400 fps	1450 fps
7/8 oz	Internat'l	CCI 209SC	WAA12L	22.7 gr / 7,300 PSI	24.0 gr / 8,200 PSI	25.0 gr / 9,400 PSI	25.5 gr/10,200 PSI
7/8 oz	Internat'l	Fed. 209A	WAA12L	22.3 gr / 7,500 PSI	23.2 gr / 8,300 PSI	24.5 gr / 9,300 PSI	25.7 gr/10,000 PSI
7/8 oz	Internat'l	Win. 209	WAA12L	23.5 gr / 7,500 PSI	24.3 gr / 7,900 PSI	25.5 gr / 9,100 PSI	27.0 gr/10,600 PSI
				1325 fps	1400 fps		
7/8 oz	WST	CCI 209	WAA12L	-	-	21.5 gr / 8,100 PSI	23.0 gr / 9,000 PSI
7/8 oz	WST	Fed. 209A	WAA12L	-	-	21.0 gr / 8,300 PSI	23.0 gr / 9,700 PSI
7/8 oz	WST	Win. 209	WAA12L	-	-	21.0 gr / 8,200 PSI	23.0 gr/10,300 PSI
				1150 fps	1200 fps	1250 fps	1300 fps
24 gm	700-X	Fed. 209A	CB 1100-12	15.5 gr / 4,800 PSI	16.5 gr / 5,500 PSI	17.5 gr / 6,200 PSI	19.5 gr / 7,400 PSI
24 gm	700-X	Fed. 209A	CB 2100-12	16.0 gr / 5,300 PSI	17.0 gr / 6,000 PSI	18.0 gr / 6,600 PSI	19.5 gr / 7,500 PSI
24 gm	700-X	Fed. 209A	Fed. 1250	16.0 gr / 5,500 PSI	17.0 gr / 6,200 PSI	18.0 gr / 6,800 PSI	19.5 gr / 7,800 PSI
24 gm	700-X	Fed. 209A	Rem. TGT12	15.5 gr / 5,000 PSI	16.5 gr / 5,700 PSI	17.5 gr / 6,200 PSI	19.5 gr / 7,100 PSI
24 gm	700-X	Fed. 209A	WAA12SL	15.5 gr / 5,300 PSI	16.5 gr / 5,900 PSI	17.5 gr / 6,600 PSI	19.0 gr / 7,800 PSI
				1150 fps	1200 fps	1250 fps	1325 fps
24 gm	700-X	Rem. 209P	CB 1100-12	16.0 gr / 4,000 PSI	17.5 gr / 4,600 PSI	19.0 gr / 5,300 PSI	21.0 gr / 5,800 PSI
24 gm	700-X	Rem. 209P	CB 2100-12	16.5 gr / 4,000 PSI	18.0 gr / 4,500 PSI	19.5 gr / 5,200 PSI	21.0 gr / 6,300 PSI
24 gm	700-X	Rem. 209P	Fed. 1250	16.5 gr / 4,800 PSI	17.5 gr / 5,300 PSI	18.5 gr / 6,000 PSI	20.5 gr / 7,300 PSI
24 gm	700-X	Rem. 209P	Rem. TGT12	16.0 gr / 4,200 PSI	17.0 gr / 4,800 PSI	18.5 gr / 5,700 PSI	21.0 gr / 6,500 PSI
24 gm	700-X	Rem. 209P	WAA12SL	16.0 gr / 4,700 PSI	17.0 gr / 5,400 PSI	18.0 gr / 5,900 PSI	20.5 gr / 6,600 PSI
24 gm	700-X	Win. 209	CB 1100-12	16.0 gr / 4,900 PSI	17.0 gr / 5,500 PSI	18.0 gr / 6,200 PSI	19.5 gr / 7,300 PSI
24 gm	700-X	Win. 209	CB 2100-12	16.0 gr / 5,300 PSI	17.0 gr / 5,900 PSI	18.0 gr / 6,500 PSI	19.5 gr / 7,400 PSI
24 gm	700-X	Win. 209	Fed. 1250	15.5 gr / 5,400 PSI	16.5 gr / 6,100 PSI	17.5 gr / 6,700 PSI	19.5 gr / 7,800 PSI
24 gm	700-X	Win. 209	Rem. TGT12	15.5 gr / 5,200 PSI	16.5 gr / 5,800 PSI	17.5 gr / 6,400 PSI	19.5 gr / 7,800 PSI
24 gm	700-X	Win. 209	WAA12SL	15.5 gr / 5,100 PSI	16.5 gr / 5,700 PSI	17.5 gr / 6,400 PSI	19.0 gr / 7,500 PSI
24 gm	PB	Fed. 209A	CB 2118-12	20.0 gr / 4,900 PSI	21.0 gr / 5,400 PSI	22.5 gr / 6,000 PSI	24.5 gr / 6,900 PSI
24 gm	PB	Fed. 209A	Fed. 1253	20.0 gr / 5,200 PSI	21.0 gr / 5,600 PSI	22.5 gr / 6,300 PSI	24.0 gr / 7,000 PSI
24 gm	PB	Fed. 209A	Rem. TGT12	20.0 gr / 4,700 PSI	21.5 gr / 5,300 PSI	23.0 gr / 6,000 PSI	24.5 gr / 6,700 PSI
24 gm	PB	Fed. 209A	WAA12SL	20.0 gr / 5,000 PSI	21.0 gr / 5,300 PSI	22.5 gr / 5,900 PSI	24.5 gr / 6,600 PSI
				1150 fps	1200 fps	1250 fps	1300 fps
24 gm	PB	Rem. 209P	CB 2118-12	21.0 gr / 4,300 PSI	22.5 gr / 4,700 PSI	24.0 gr / 5,300 PSI	25.5 gr / 6,100 PSI
24 gm	PB	Rem. 209P	Fed. 1253	21.0 gr / 4,700 PSI	22.0 gr / 5,100 PSI	23.0 gr / 5,600 PSI	25.0 gr / 6,600 PSI
				1150 fps	1200 fps	1250 fps	1325 fps
24 gm	PB	Rem. 209P	Rem. TGT12	21.0 gr / 3,900 PSI	22.5 gr / 4,500 PSI	24.0 gr / 5,200 PSI	25.5 gr / 6,000 PSI
24 gm	PB	Rem. 209P	WAA12SL	21.0 gr / 3,900 PSI	22.5 gr / 4,400 PSI	24.0 gr / 5,100 PSI	25.5 gr / 5,700 PSI
24 gm	PB	Win. 209	CB 2118-12	20.5 gr / 4,800 PSI	21.5 gr / 5,300 PSI	23.0 gr / 6,000 PSI	24.5 gr / 6,600 PSI
24 gm	PB	Win. 209	Fed. 1253	20.5 gr / 4,800 PSI	22.0 gr / 5,600 PSI	23.0 gr / 6,100 PSI	24.5 gr / 6,900 PSI
24 gm	PB	Win. 209	Rem. TGT12	20.5 gr / 4,500 PSI	22.0 gr / 5,000 PSI	23.5 gr / 5,700 PSI	25.0 gr / 6,300 PSI
24 gm	PB	Win. 209	WAA12SL	20.5 gr / 4,300 PSI	21.5 gr / 4,800 PSI	23.0 gr / 5,400 PSI	25.0 gr / 6,200 PSI
24 gm	SR 7625	Fed. 209A	CB 2100-12	24.0 gr / 3,400 PSI	25.5 gr / 3,900 PSI	26.5 gr / 4,300 PSI	28.0 gr / 5,000 PSI
24 gm	SR 7625	Fed. 209A	Fed. 1250	23.5 gr / 3,800 PSI	25.0 gr / 4,300 PSI	26.5 gr / 4,900 PSI	28.0 gr / 5,400 PSI
24 gm	SR 7625	Fed. 209A	Rem. TGT12	24.0 gr / 3,700 PSI	25.0 gr / 4,000 PSI	26.5 gr / 4,600 PSI	28.5 gr / 5,400 PSI
24 gm	SR 7625	Fed. 209A	WAA12SL	23.5 gr / 3,800 PSI	24.5 gr / 4,200 PSI	25.5 gr / 4,800 PSI	27.0 gr / 5,600 PSI
24 gm	SR 7625	Win. 209	CB 2100-12	25.0 gr / 3,300 PSI	26.0 gr / 3,600 PSI	27.5 gr / 4,000 PSI	29.5 gr / 4,600 PSI
24 gm	SR 7625	Win. 209	Fed. 1250	24.5 gr / 3,700 PSI	25.5 gr / 4,000 PSI	27.0 gr / 4,500 PSI	29.0 gr / 5,200 PSI
24 gm	SR 7625	Win. 209	Rem. TGT12	24.5 gr / 3,500 PSI	25.5 gr / 3,700 PSI	27.0 gr / 4,200 PSI	29.0 gr / 4,900 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1150 fps	1200 fps	1250 fps	1325 fps
24 gm	SR 7625	Win. 209	WAA12SL	24.5 gr / 3,500 PSI	25.5 gr / 3,800 PSI	27.0 gr / 4,600 PSI	28.5 gr / 5,400 PSI
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Titewad	CCI 209	WAA12L	17.2 gr / 7,900 PSI	18.5 gr / 9,200 PSI	19.8 gr / 10,400 PSI	21.1 gr / 11,300 PSI
1 oz	Titewad	CCI 209SC	Purple PC	-	18.7 gr / 8,100 PSI	20.2 gr / 9,200 PSI	21.7 gr / 10,500 PSI
1 oz	Titewad	Fed. 209A	Fed. 1250	17.8 gr / 7,100 PSI	19.3 gr / 8,500 PSI	20.8 gr / 9,600 PSI	21.7 gr / 11,300 PSI
1 oz	Titewad	Fed. 209A	Rem. TGT 12	17.0 gr / 7,500 PSI	18.4 gr / 8,700 PSI	19.7 gr / 9,800 PSI	21.0 gr / 11,000 PSI
1 oz	Titewad	Win. 209	Fed. 1250	18.0 gr / 7,100 PSI	19.1 gr / 8,600 PSI	20.3 gr / 10,300 PSI	22.0 gr / 11,300 PSI
1 oz	Titewad	Win. 209	WAA12L	17.4 gr / 7,500 PSI	18.7 gr / 8,400 PSI	20.2 gr / 9,700 PSI	21.7 gr / 11,300 PSI
				1125 fps	1180 fps	1235 fps	1290 fps
1 oz	Clays	CCI 209SC	Purple PC	-	18.0 gr / 6,600 PSI	19.0 gr / 8,000 PSI	20.0 gr / 9,300 PSI
1 oz	Clays	Fed. 209A	Fed. 1250	16.8 gr / 6,700 PSI	17.9 gr / 7,700 PSI	19.3 gr / 9,200 PSI	20.3 gr / 10,800 PSI
1 oz	Clays	Rem. 209P	Rem. TGT 12	18.2 gr / 5,900 LUP	19.2 gr / 6,300 LUP	20.2 gr / 6,800 LUP	21.2 gr / 7,300 LUP
1 oz	Clays	Win. 209	WAA12SL	17.2 gr / 6,200 LUP	18.2 gr / 7,000 LUP	19.1 gr / 7,600 LUP	20.0 gr / 8,300 LUP
				1235 fps	1290 fps	1345 fps	1400 fps
1 oz	Internat'l	CCI 209	WAA12SL	21.5 gr / 7,300 PSI	22.3 gr / 8,000 PSI	23.5 gr / 9,100 PSI	24.7 gr / 10,200 PSI
1 oz	Internat'l	Fed. 209A	Fed. 1250	19.9 gr / 8,300 PSI	21.3 gr / 9,900 PSI	22.5 gr / 11,200 PSI	-
1 oz	Internat'l	Fed. 209A	Purple PC	20.0 gr / 7,400 PSI	21.4 gr / 8,600 PSI	22.7 gr / 9,700 PSI	24.1 gr / 10,300 PSI
1 oz	Internat'l	Fed. 209A	WAA12SL	19.7 gr / 7,700 PSI	21.0 gr / 9,100 PSI	22.3 gr / 10,500 PSI	-
1 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.8 gr / 7,200 PSI	21.2 gr / 7,500 PSI	23.3 gr / 9,400 PSI	24.5 gr / 10,400 PSI
1 oz	Internat'l	Win. 209P	WAA12SL	20.5 gr / 7,200 PSI	22.0 gr / 8,400 PSI	23.4 gr / 9,400 PSI	24.7 gr / 10,400 PSI
				1100 fps	1150 fps	1200 fps	1250 fps
1 oz	700-X	Fed. 209A	CB 2100-12	15.0 gr / 6,000 PSI	16.0 gr / 6,700 PSI	17.0 gr / 7,300 PSI	18.0 gr / 7,900 PSI
1 oz	700-X	Fed. 209A	Fed. 1250	15.0 gr / 6,100 PSI	16.0 gr / 6,700 PSI	17.0 gr / 7,300 PSI	18.5 gr / 8,200 PSI
1 oz	700-X	Fed. 209A	Rem. TGT12	15.0 gr / 5,900 PSI	16.0 gr / 6,500 PSI	17.0 gr / 7,100 PSI	18.5 gr / 8,100 PSI
1 oz	700-X	Fed. 209A	WAA12SL	15.0 gr / 6,000 PSI	16.0 gr / 6,900 PSI	17.0 gr / 7,600 PSI	18.5 gr / 8,500 PSI
1 oz	700-X	Rem. 209P	CB 2100-12	15.5 gr / 5,300 PSI	16.5 gr / 5,800 PSI	18.0 gr / 6,600 PSI	19.5 gr / 7,400 PSI
1 oz	700-X	Rem. 209P	Fed. 1250	15.0 gr / 5,700 PSI	16.0 gr / 6,300 PSI	18.0 gr / 7,300 PSI	19.5 gr / 8,000 PSI
1 oz	700-X	Rem. 209P	Rem. TGT12	16.0 gr / 5,700 PSI	17.0 gr / 6,200 PSI	18.0 gr / 6,600 PSI	19.5 gr / 7,300 PSI
1 oz	700-X	Rem. 209P	WAA12SL	15.5 gr / 5,800 PSI	16.5 gr / 6,600 PSI	17.5 gr / 7,300 PSI	19.0 gr / 8,400 PSI
1 oz	700-X	Win. 209	CB 2100-12	15.5 gr / 5,700 PSI	16.5 gr / 6,400 PSI	17.5 gr / 7,000 PSI	19.0 gr / 8,100 PSI
1 oz	700-X	Win. 209	Fed. 1250	15.5 gr / 5,900 PSI	16.5 gr / 6,700 PSI	17.5 gr / 7,300 PSI	18.5 gr / 7,800 PSI
1 oz	700-X	Win. 209	Rem. TGT12	15.5 gr / 5,900 PSI	16.5 gr / 6,600 PSI	17.5 gr / 7,200 PSI	18.5 gr / 7,800 PSI
1 oz	700-X	Win. 209	WAA12SL	15.5 gr / 6,000 PSI	16.5 gr / 6,700 PSI	17.5 gr / 7,600 PSI	18.5 gr / 8,500 PSI
1 oz	PB	Fed. 209A	CB 1100-12	20.0 gr / 4,600 PSI	21.5 gr / 5,100 PSI	23.0 gr / 5,700 PSI	24.0 gr / 6,300 PSI
1 oz	PB	Fed. 209A	Fed. 1253	19.5 gr / 5,400 PSI	20.5 gr / 5,900 PSI	22.0 gr / 6,700 PSI	23.0 gr / 7,100 PSI
1 oz	PB	Fed. 209A	Rem. TGT12	19.5 gr / 5,100 PSI	20.5 gr / 5,500 PSI	22.0 gr / 6,200 PSI	24.0 gr / 6,800 PSI
1 oz	PB	Fed. 209A	WAA12SL	18.0 gr / 6,000 PSI	19.5 gr / 6,600 PSI	21.0 gr / 7,100 PSI	22.5 gr / 7,600 PSI
1 oz	PB	Rem. 209P	CB 1100-12	21.0 gr / 3,800 PSI	22.0 gr / 4,300 PSI	23.5 gr / 5,000 PSI	25.0 gr / 5,600 PSI
1 oz	PB	Rem. 209P	Fed. 1253	20.0 gr / 5,200 PSI	21.0 gr / 5,700 PSI	22.5 gr / 6,600 PSI	23.5 gr / 7,200 PSI
1 oz	PB	Rem. 209P	Rem. TGT12	20.5 gr / 4,300 PSI	22.0 gr / 5,200 PSI	23.0 gr / 5,700 PSI	24.0 gr / 6,300 PSI
1 oz	PB	Rem. 209P	WAA12SL	20.0 gr / 4,700 PSI	21.5 gr / 5,300 PSI	22.5 gr / 5,800 PSI	24.0 gr / 6,800 PSI
				1100 fps	1150 fps	1200 fps	1250 fps
1 oz	PB	Win. 209	CB 1100-12	20.5 gr / 4,300 PSI	21.5 gr / 4,800 PSI	23.0 gr / 5,400 PSI	24.5 gr / 6,100 PSI

For complete data, visit our website at www.hodgdon.com

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1100 fps	1150 fps	1200 fps	1250 fps
1 oz	PB	Win. 209	Fed. 12S3	19.5 gr/ 5,100 PSI	21.0 gr/ 5,800 PSI	22.5 gr/ 6,500 PSI	23.5 gr/ 6,900 PSI
1 oz	PB	Win. 209	Rem. TGT12	20.0 gr/ 5,300 PSI	21.0 gr/ 5,900 PSI	22.0 gr/ 6,500 PSI	23.5 gr/ 7,000 PSI
1 oz	PB	Win. 209	WAA12SL	19.5 gr/ 4,900 PSI	21.0 gr/ 5,400 PSI	22.5 gr/ 6,000 PSI	24.0 gr/ 6,700 PSI
1 oz	SR 7625	Fed. 209A	CB 2100-12	22.5 gr/ 4,200 PSI	23.5 gr/ 4,700 PSI	25.0 gr/ 5,300 PSI	26.0 gr/ 5,800 PSI
1 oz	SR 7625	Fed. 209A	Fed. 12S3	22.0 gr/ 4,500 PSI	23.5 gr/ 5,400 PSI	24.5 gr/ 6,000 PSI	25.5 gr/ 6,600 PSI
1 oz	SR 7625	Fed. 209A	Rem. TGT12	22.0 gr/ 4,200 PSI	23.0 gr/ 4,800 PSI	24.0 gr/ 5,500 PSI	25.5 gr/ 6,200 PSI
1 oz	SR 7625	Fed. 209A	WAA12SL	22.5 gr/ 4,600 PSI	23.5 gr/ 5,200 PSI	24.5 gr/ 5,900 PSI	25.5 gr/ 6,600 PSI
1 oz	SR 7625	Win. 209	CB 2100-12	22.0 gr/ 4,300 PSI	23.5 gr/ 4,600 PSI	25.0 gr/ 4,900 PSI	26.5 gr/ 5,200 PSI
1 oz	SR 7625	Win. 209	Fed. 12S3	21.5 gr/ 4,700 PSI	22.5 gr/ 5,200 PSI	24.0 gr/ 5,900 PSI	25.5 gr/ 6,600 PSI
1 oz	SR 7625	Win. 209	Rem. TGT12	22.5 gr/ 4,300 PSI	23.5 gr/ 4,700 PSI	25.0 gr/ 5,400 PSI	26.0 gr/ 5,900 PSI
1 oz	SR 7625	Win. 209	WAA12SL	22.5 gr/ 4,600 PSI	23.5 gr/ 4,900 PSI	25.0 gr/ 5,300 PSI	26.0 gr/ 5,600 PSI
				970 fps	1025 fps	1070 fps	1125 fps
1 oz	WAALite	Ched. 209	Fed. 12SO	—	14.3 gr/ 5,400 PSI	14.9 gr/ 6,100 PSI	23.0 gr/ 6,900 PSI
1 oz	WAALite	Ched. 209	WAA12L	—	13.9 gr/ 5,400 PSI	14.8 gr/ 6,100 PSI	15.7 gr/ 6,800 PSI
1 oz	WAALite	Fed. 209A	Fed. 12SO	13.2 gr/ 4,800 PSI	14.2 gr/ 5,900 PSI	14.9 gr/ 6,600 PSI	15.8 gr/ 7,500 PSI
1 oz	WAALite	Fed. 209A	WAA12L	12.9 gr/ 4,800 PSI	13.8 gr/ 5,900 PSI	14.5 gr/ 6,700 PSI	15.3 gr/ 7,700 PSI
1 oz	WAALite	Rem. 209P	Fed. 12SO	—	13.2 gr/ 5,300 PSI	15.1 gr/ 6,100 PSI	16.3 gr/ 6,900 PSI
1 oz	WAALite	Rem. 209P	WAA12L	—	14.7 gr/ 4,900 PSI	15.4 gr/ 5,600 PSI	16.2 gr/ 6,500 PSI
1 oz	WAALite	Win. 209	Fed. 12SO	—	14.9 gr/ 5,200 PSI	15.7 gr/ 6,000 PSI	16.5 gr/ 6,800 PSI
1 oz	WAALite	Win. 209	WAA12L	—	14.6 gr/ 4,600 PSI	15.1 gr/ 5,300 PSI	15.8 gr/ 6,200 PSI
				1180 fps	1235 fps	1290 fps	
1 oz	WST	CCI 209	Fed. 12SO	—	21.0 gr/ 8,500 PSI	22.5 gr/ 9,500 PSI	
1 oz	WST	Win. 209	Fed. 12SO	20.5 gr/ 7,400 PSI	22.0 gr/ 8,500 PSI	23.0 gr/ 9,300 PSI	
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Super Hcp	Ched. 209	WAA12L	19.6 gr/ 5,500 PSI	20.8 gr/ 6,500 PSI	22.0 gr/ 7,500 PSI	23.3 gr/ 8,500 PSI
1 oz	Super Hcp	Fed. 209A	WAA12L	19.5 gr/ 5,700 PSI	20.9 gr/ 6,600 PSI	22.3 gr/ 7,500 PSI	23.8 gr/ 8,600 PSI
1 oz	Super Hcp	Rem. 209P	WAA12L	20.4 gr/ 5,200 PSI	21.6 gr/ 6,100 PSI	22.8 gr/ 7,100 PSI	24.0 gr/ 8,000 PSI
1 oz	Super Hcp	Win. 209	WAA12L	20.6 gr/ 4,800 PSI	21.7 gr/ 5,900 PSI	22.8 gr/ 7,000 PSI	23.9 gr/ 8,100 PSI
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.4 gr/ 8,800 PSI	16.7 gr/ 9,900 PSI	18.1 gr/ 11,100 PSI	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	16.0 gr/ 8,100 PSI	17.2 gr/ 9,400 PSI	18.5 gr/ 10,900 PSI	—
1 1/8 oz	Titewad	CCI 209M	G/BP CS12	14.9 gr/ 9,800 PSI	15.9 gr/ 10,800 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Fed. 12S3	16.3 gr/ 8,300 PSI	17.3 gr/ 8,900 PSI	18.8 gr/ 10,300 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Rem. Fig. 8	15.8 gr/ 8,000 PSI	16.9 gr/ 9,600 PSI	18.1 gr/ 11,300 PSI	—
1 1/8 oz	Titewad	Fed. 209A	WAA12	15.4 gr/ 8,200 PSI	16.8 gr/ 9,800 PSI	18.0 gr/ 11,100 PSI	—
1 1/8 oz	Titewad	Fio. 616	Fio. TL 1	15.7 gr/ 8,900 PSI	16.7 gr/ 9,800 PSI	18.0 gr/ 11,000 PSI	—
1 1/8 oz	Titewad	Rem. 209P	Rem. Fig. 8	16.0 gr/ 7,500 PSI	17.0 gr/ 8,600 PSI	18.0 gr/ 9,500 PSI	—
1 1/8 oz	Titewad	Win. 209	WAA12SL	16.5 gr/ 7,900 PSI	17.5 gr/ 9,100 PSI	18.2 gr/ 9,800 PSI	—
1 1/8 oz	Clays	Ched. 209	Fed. 12S3	16.8 gr/ 8,000 PSI	18.0 gr/ 9,500 PSI	19.2 gr/ 10,900 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.5 gr/ 7,600 PSI	17.9 gr/ 9,000 PSI	19.3 gr/ 10,500 PSI	—
1 1/8 oz	Clays	Ched. 209	Windjammer	16.9 gr/ 7,000 PSI	18.2 gr/ 8,400 PSI	19.5 gr/ 9,900 PSI	20.9 gr/ 11,400 PSI
1 1/8 oz	Clays	Fed. 209A	Fed. 12S3	16.8 gr/ 7,900 PSI	17.1 gr/ 8,600 PSI	19.0 gr/ 10,400 PSI	—
1 1/8 oz	Clays	Fed. 209A	Rem. Fig. 8	17.0 gr/ 7,400 PSI	17.5 gr/ 7,900 PSI	19.0 gr/ 9,600 PSI	—
1 1/8 oz	Clays	Fed. 209A	WAA12	16.5 gr/ 7,700 PSI	17.0 gr/ 8,100 PSI	18.5 gr/ 10,300 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Clays	Fed. 209A	Windjammer	16.5 gr/ 7,400 PSI	17.6 gr/ 8,700 PSI	18.8 gr/ 10,100 PSI	—
1 1/8 oz	Clays	Rem. 209P	Red PC	17.5 gr/ 6,500 LUP	18.5 gr/ 7,400 LUP	19.4 gr/ 8,300 LUP	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	16.6 gr/ 7,200 PSI	17.8 gr/ 8,600 PSI	18.9 gr/ 9,900 PSI	20.1 gr/ 11,300 PSI
1 1/8 oz	Clays	Win. 209	G/BP PISK	16.6 gr/ 8,800 PSI	17.7 gr/ 10,100 PSI	18.8 gr/ 11,300 PSI	—
1 1/8 oz	Clays	Win. 209	Windjammer	17.3 gr/ 6,300 LUP	18.3 gr/ 7,200 LUP	19.4 gr/ 8,100 LUP	—
1 1/8 oz	Internat'l	Ched. 209	Fed. 12S3	18.2 gr/ 7,300 PSI	19.4 gr/ 8,300 PSI	20.6 gr/ 9,400 PSI	21.8 gr/ 10,500 PSI
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.9 gr/ 6,800 PSI	19.3 gr/ 7,900 PSI	21.0 gr/ 9,300 PSI	22.0 gr/ 10,100 PSI
1 1/8 oz	Internat'l	Ched. 209	Windjammer	18.3 gr/ 6,700 PSI	19.5 gr/ 7,800 PSI	20.8 gr/ 9,000 PSI	22.0 gr/ 10,000 PSI
1 1/8 oz	Internat'l	CCI 209M	Rem. TGT 12	19.5 gr/ 6,800 LUP	20.0 gr/ 7,000 LUP	20.6 gr/ 7,800 LUP	22.5 gr/ 8,600 LUP
1 1/8 oz	Internat'l	CCI 209SC	Rem. TGT 12	19.0 gr/ 6,200 PSI	19.2 gr/ 6,900 PSI	20.0 gr/ 7,900 PSI	21.5 gr/ 9,500 PSI
1 1/8 oz	Internat'l	Fed. 209A	Fed. 12S3	18.5 gr/ 7,000 PSI	19.0 gr/ 7,200 PSI	20.5 gr/ 8,800 PSI	22.2 gr/ 10,600 PSI
1 1/8 oz	Internat'l	Fed. 209A	WAA12	—	18.4 gr/ 8,200 PSI	19.6 gr/ 9,500 PSI	20.7 gr/ 10,700 PSI
1 1/8 oz	Internat'l	Fed. 209A	Windjammer	19.0 gr/ 6,200 PSI	19.5 gr/ 6,500 PSI	20.8 gr/ 8,000 PSI	22.5 gr/ 9,200 PSI
1 1/8 oz	Internat'l	Fio. 616	Fio. TL1	19.2 gr/ 6,800 LUP	19.7 gr/ 7,300 LUP	21.1 gr/ 8,100 LUP	22.5 gr/ 9,200 LUP
1 1/8 oz	Internat'l	Rem. 209P	G/BP CS12	—	18.8 gr/ 8,100 PSI	20.0 gr/ 9,100 PSI	21.2 gr/ 10,500 PSI
1 1/8 oz	Internat'l	Win. 209	WAA12SL	19.1 gr/ 6,600 LUP	20.1 gr/ 7,100 LUP	21.0 gr/ 7,500 LUP	22.4 gr/ 8,900 LUP
1 1/8 oz	Internat'l	Win. 209	Windjammer	—	19.5 gr/ 7,000 PSI	20.8 gr/ 8,000 PSI	22.2 gr/ 9,000 PSI
				1200 fps	1255 fps	1310 fps	
1 1/8 oz	Universal	CCI 209	Windjammer	25.2 gr/ 7,300 PSI	26.5 gr/ 8,200 PSI	28.0 gr/ 8,800 PSI	
1 1/8 oz	Universal	CCI 209SC	Hor. Versalite	23.2 gr/ 7,700 PSI	24.5 gr/ 8,600 PSI	25.5 gr/ 9,600 PSI	
1 1/8 oz	Universal	CCI 209SC	Windjammer	24.5 gr/ 7,300 LUP	26.0 gr/ 8,100 PSI	26.7 gr/ 8,900 PSI	
1 1/8 oz	Universal	Fed. 209A	Fed. 12S3	23.0 gr/ 8,700 PSI	24.4 gr/ 9,600 PSI	25.7 gr/ 10,500 PSI	
1 1/8 oz	Universal	Fio. 616	Fio. TL1	23.3 gr/ 8,700 PSI	24.2 gr/ 9,500 PSI	26.0 gr/ 10,100 PSI	
1 1/8 oz	Universal	Win. 209	Rem. Fig. 8	24.0 gr/ 8,000 PSI	25.0 gr/ 8,700 PSI	26.8 gr/ 9,500 PSI	
1 1/8 oz	Universal	Win. 209	WAA12	23.2 gr/ 8,800 PSI	24.5 gr/ 9,700 PSI	25.0 gr/ 10,400 PSI	
				1420 fps	1475 fps	1530 fps	1585 fps
1 1/8 oz	Longshot	CCI 209M	Fed. 12S3	32.2 gr/ 8,400 PSI	33.6 gr/ 9,500 PSI	34.9 gr/ 10,600 PSI	—
1 1/8 oz	Longshot	CCI 209M	Rem. Fig. 8	32.2 gr/ 8,500 PSI	33.8 gr/ 9,400 PSI	35.5 gr/ 10,400 PSI	37.1 gr/ 11,400 PSI
1 1/8 oz	Longshot	CCI 209M	WAA12	31.4 gr/ 8,800 PSI	33.2 gr/ 9,500 PSI	35.0 gr/ 10,300 PSI	36.8 gr/ 11,000 PSI
1 1/8 oz	Longshot	Fed. 209A	Fed. 12S3	32.0 gr/ 9,000 PSI	33.3 gr/ 10,000 PSI	34.6 gr/ 11,500 PSI	—
1 1/8 oz	Longshot	Fed. 209A	Rem. Fig. 8	32.2 gr/ 8,600 PSI	33.6 gr/ 9,500 PSI	35.0 gr/ 10,500 PSI	36.4 gr/ 11,400 PSI
1 1/8 oz	Longshot	Fed. 209A	WAA12	31.7 gr/ 8,900 PSI	33.1 gr/ 9,700 PSI	34.6 gr/ 10,700 PSI	36.0 gr/ 11,500 PSI
1 1/8 oz	Longshot	Fed. 209A	Windjammer	32.3 gr/ 8,200 PSI	33.9 gr/ 9,200 PSI	35.5 gr/ 10,200 PSI	37.1 gr/ 11,200 PSI
1 1/8 oz	Longshot	Rem. 209P	Fed. 12S3	32.9 gr/ 8,400 PSI	34.1 gr/ 9,300 PSI	35.3 gr/ 10,200 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Rem. Fig. 8	32.1 gr/ 8,200 PSI	33.9 gr/ 9,100 PSI	35.6 gr/ 10,000 PSI	37.4 gr/ 10,900 PSI
1 1/8 oz	Longshot	Rem. 209P	WAA12	32.4 gr/ 8,200 PSI	33.9 gr/ 9,100 PSI	35.4 gr/ 10,000 PSI	36.9 gr/ 10,900 PSI
1 1/8 oz	Longshot	Rem. 209P	Windjammer	32.9 gr/ 7,900 PSI	34.4 gr/ 8,800 PSI	35.9 gr/ 9,600 PSI	37.5 gr/ 10,500 PSI
1 1/8 oz	Longshot	Win. 209	Fed. 12S3	34.2 gr/ 7,100 PSI	35.5 gr/ 8,200 PSI	36.8 gr/ 9,400 PSI	38.1 gr/ 10,600 PSI
1 1/8 oz	Longshot	Win. 209	Rem. Fig. 8	34.9 gr/ 7,100 PSI	36.0 gr/ 8,100 PSI	37.1 gr/ 9,100 PSI	38.2 gr/ 10,000 PSI
1 1/8 oz	Longshot	Win. 209	WAA12	34.0 gr/ 7,600 PSI	35.2 gr/ 8,500 PSI	36.4 gr/ 9,400 PSI	37.8 gr/ 10,400 PSI
1 1/8 oz	Longshot	Win. 209	Windjammer	35.0 gr/ 7,100 PSI	36.2 gr/ 8,000 PSI	37.4 gr/ 8,900 PSI	38.5 gr/ 10,100 PSI
				1100 fps	1150 fps	1200 fps	1250 fps
1 1/8 oz	700-X	Fed. 209A	CB 2118-12	16.0 gr/ 7,900 PSI	17.0 gr/ 8,600 PSI	18.0 gr/ 9,500 PSI	19.5 gr/ 10,800 PSI
1 1/8 oz	700-X	Fed. 209A	Fed. 12S3	16.0 gr/ 7,900 PSI	17.0 gr/ 8,600 PSI	18.5 gr/ 9,500 PSI	20.0 gr/ 10,400 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1100 fps	1150 fps	1200 fps	1250 fps
1 1/8 oz	700-X	Fed. 209A	Rem. TGT12	16.0 gr/ 7,400 PSI	17.0 gr/ 8,200 PSI	18.0 gr/ 9,100 PSI	19.5 gr/10,500 PSI
1 1/8 oz	700-X	Fed. 209A	WAA12SL	16.0 gr/ 7,900 PSI	17.0 gr/ 8,700 PSI	18.0 gr/ 9,500 PSI	19.5 gr/10,600 PSI
1 1/8 oz	700-X	Rem. 209P	CB 2118-12	16.0 gr/ 7,200 PSI	17.0 gr/ 7,900 PSI	18.5 gr/ 8,700 PSI	20.0 gr/ 9,600 PSI
1 1/8 oz	700-X	Rem. 209P	Fed. 12S3	16.0 gr/ 7,500 PSI	17.5 gr/ 8,300 PSI	18.5 gr/ 8,900 PSI	20.0 gr/ 9,800 PSI
1 1/8 oz	700-X	Rem. 209P	Rem. TGT12	16.0 gr/ 6,900 PSI	17.5 gr/ 7,800 PSI	18.5 gr/ 8,500 PSI	20.0 gr/ 9,500 PSI
1 1/8 oz	700-X	Rem. 209P	WAA12SL	16.5 gr/ 7,500 PSI	17.5 gr/ 8,200 PSI	18.5 gr/ 8,700 PSI	20.0 gr/ 9,500 PSI
1 1/8 oz	700-X	Win. 209	CB 2118-12	16.0 gr/ 7,200 PSI	17.0 gr/ 7,900 PSI	18.5 gr/ 9,200 PSI	19.5 gr/10,000 PSI
1 1/8 oz	700-X	Win. 209	Fed. 12S3	16.0 gr/ 7,800 PSI	17.0 gr/ 8,500 PSI	18.0 gr/ 9,400 PSI	19.5 gr/10,700 PSI
1 1/8 oz	700-X	Win. 209	Rem. TGT12	16.0 gr/ 6,800 PSI	17.0 gr/ 7,500 PSI	18.5 gr/ 8,600 PSI	20.0 gr/ 9,600 PSI
1 1/8 oz	700-X	Win. 209	WAA12SL	16.0 gr/ 7,200 PSI	17.0 gr/ 7,900 PSI	18.5 gr/ 9,100 PSI	19.5 gr/ 9,900 PSI
1 1/8 oz	PB	Fed. 209A	CB 1118-12	20.0 gr/ 6,000 PSI	21.0 gr/ 6,400 PSI	22.5 gr/ 7,100 PSI	24.0 gr/ 8,000 PSI
1 1/8 oz	PB	Fed. 209A	Fed. 12S3	19.5 gr/ 6,600 PSI	21.0 gr/ 7,100 PSI	22.5 gr/ 7,600 PSI	24.0 gr/ 8,700 PSI
1 1/8 oz	PB	Fed. 209A	Rem. FIG. 8	20.0 gr/ 6,000 PSI	21.5 gr/ 6,600 PSI	23.0 gr/ 7,300 PSI	24.5 gr/ 8,000 PSI
1 1/8 oz	PB	Fed. 209A	WAA12	19.5 gr/ 6,100 PSI	21.0 gr/ 7,000 PSI	22.5 gr/ 7,900 PSI	24.0 gr/ 8,800 PSI
1 1/8 oz	PB	Fed. 209A	Windjammer	20.5 gr/ 5,900 PSI	21.5 gr/ 6,400 PSI	23.0 gr/ 7,200 PSI	24.0 gr/ 7,800 PSI
1 1/8 oz	PB	Rem. 209P	CB 1118-12	21.0 gr/ 5,800 PSI	22.5 gr/ 6,300 PSI	23.5 gr/ 7,000 PSI	25.0 gr/ 8,000 PSI
1 1/8 oz	PB	Rem. 209P	Fed. 12S3	20.5 gr/ 6,000 PSI	22.0 gr/ 6,500 PSI	23.0 gr/ 7,000 PSI	25.0 gr/ 8,400 PSI
1 1/8 oz	PB	Rem. 209P	Rem. FIG. 8	21.0 gr/ 5,500 PSI	22.5 gr/ 6,100 PSI	23.5 gr/ 6,600 PSI	25.0 gr/ 7,500 PSI
1 1/8 oz	PB	Rem. 209P	WAA12SL	20.5 gr/ 5,700 PSI	21.5 gr/ 6,400 PSI	23.0 gr/ 7,300 PSI	25.0 gr/ 8,000 PSI
1 1/8 oz	PB	Rem. 209P	Windjammer	21.0 gr/ 5,000 PSI	22.5 gr/ 5,900 PSI	24.0 gr/ 6,400 PSI	25.5 gr/ 6,900 PSI
1 1/8 oz	PB	Win. 209	CB 1118-12	20.5 gr/ 5,800 PSI	22.0 gr/ 6,400 PSI	23.5 gr/ 7,000 PSI	25.0 gr/ 7,600 PSI
1 1/8 oz	PB	Win. 209	Fed. 12S3	20.5 gr/ 6,100 PSI	22.0 gr/ 7,000 PSI	23.0 gr/ 7,600 PSI	24.5 gr/ 8,400 PSI
1 1/8 oz	PB	Win. 209	Rem. FIG. 8	21.0 gr/ 5,900 PSI	22.0 gr/ 6,300 PSI	23.5 gr/ 7,000 PSI	25.0 gr/ 7,800 PSI
1 1/8 oz	PB	Win. 209	WAA12SL	21.0 gr/ 6,000 PSI	22.0 gr/ 6,600 PSI	23.5 gr/ 7,500 PSI	25.0 gr/ 8,200 PSI
1 1/8 oz	PB	Win. 209	Windjammer	21.0 gr/ 5,500 PSI	22.0 gr/ 6,000 PSI	23.5 gr/ 7,000 PSI	24.5 gr/ 7,700 PSI
1 1/8 oz	SR 7625	Win. 209	WAA12	22.5 gr/ 5,600 PSI	24.0 gr/ 6,200 PSI	25.0 gr/ 6,600 PSI	26.5 gr/ 7,400 PSI
1 1/8 oz	SR 7625	Win. 209	Windjammer	23.0 gr/ 4,900 PSI	24.5 gr/ 5,400 PSI	26.0 gr/ 6,200 PSI	27.0 gr/ 6,900 PSI
1 1/8 oz	SR 7625	Fed. 209A	CB 2118-12	22.0 gr/ 5,700 PSI	23.5 gr/ 6,400 PSI	24.5 gr/ 6,800 PSI	26.0 gr/ 7,700 PSI
1 1/8 oz	SR 7625	Fed. 209A	Fed. 12S3	22.0 gr/ 5,600 PSI	23.5 gr/ 6,400 PSI	24.5 gr/ 6,900 PSI	26.5 gr/ 7,700 PSI
1 1/8 oz	SR 7625	Fed. 209A	Rem. FIG. 8	22.5 gr/ 5,300 PSI	24.0 gr/ 5,700 PSI	25.5 gr/ 6,600 PSI	26.5 gr/ 7,100 PSI
1 1/8 oz	SR 7625	Fed. 209A	WAA12	21.5 gr/ 6,100 PSI	23.0 gr/ 6,700 PSI	24.5 gr/ 7,400 PSI	26.0 gr/ 8,200 PSI
1 1/8 oz	SR 7625	Fed. 209A	Windjammer	23.0 gr/ 5,100 PSI	24.0 gr/ 5,600 PSI	25.5 gr/ 6,400 PSI	27.0 gr/ 7,400 PSI
1 1/8 oz	SR 7625	Rem. 209P	CB 2118-12	22.5 gr/ 5,300 PSI	24.5 gr/ 5,900 PSI	26.0 gr/ 6,600 PSI	27.0 gr/ 7,300 PSI
1 1/8 oz	SR 7625	Rem. 209P	Fed. 12S3	23.0 gr/ 5,200 PSI	24.5 gr/ 6,000 PSI	25.5 gr/ 6,400 PSI	27.0 gr/ 7,400 PSI
1 1/8 oz	SR 7625	Rem. 209P	Rem. FIG. 8	24.0 gr/ 5,000 PSI	25.5 gr/ 5,700 PSI	27.0 gr/ 6,000 PSI	28.5 gr/ 6,300 PSI
1 1/8 oz	SR 7625	Rem. 209P	WAA12	22.0 gr/ 5,600 PSI	23.5 gr/ 6,000 PSI	25.5 gr/ 6,600 PSI	27.5 gr/ 7,200 PSI
1 1/8 oz	SR 7625	Rem. 209P	Windjammer	24.0 gr/ 4,300 PSI	25.5 gr/ 4,700 PSI	27.0 gr/ 5,400 PSI	28.5 gr/ 6,100 PSI
1 1/8 oz	SR 7625	Win. 209	CB 2118-12	22.5 gr/ 5,400 PSI	24.0 gr/ 6,000 PSI	25.5 gr/ 6,700 PSI	27.0 gr/ 7,300 PSI
1 1/8 oz	SR 7625	Win. 209	Fed. 12S3	23.0 gr/ 5,400 PSI	24.5 gr/ 6,200 PSI	25.5 gr/ 6,700 PSI	27.0 gr/ 7,500 PSI
1 1/8 oz	SR 7625	Win. 209	Rem. FIG. 8	23.0 gr/ 5,200 PSI	24.5 gr/ 5,800 PSI	25.5 gr/ 6,300 PSI	27.0 gr/ 7,100 PSI
1 1/8 oz	800-X	CCI 209	CB 2118-12	21.5 gr/ 5,000 PSI	23.0 gr/ 5,500 PSI	24.5 gr/ 6,200 PSI	26.0 gr/ 6,800 PSI
1 1/8 oz	800-X	CCI 209	Fed. 12S3	21.0 gr/ 5,800 PSI	22.5 gr/ 6,400 PSI	24.0 gr/ 6,800 PSI	26.0 gr/ 7,300 PSI
1 1/8 oz	800-X	CCI 209	Rem. FIG. 8	21.0 gr/ 5,500 PSI	22.5 gr/ 5,900 PSI	24.0 gr/ 6,300 PSI	26.0 gr/ 6,900 PSI
1 1/8 oz	800-X	CCI 209	WAA12	21.5 gr/ 5,200 PSI	22.5 gr/ 5,600 PSI	24.0 gr/ 6,300 PSI	25.5 gr/ 7,100 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1100 fps	1150 fps	1200 fps	1250 fps
1 1/8 oz	800-X	CCI 209	Windjammer	22.5 gr/ 4,200 PSI	23.5 gr/ 4,800 PSI	25.0 gr/ 5,700 PSI	26.0 gr/ 6,300 PSI
1 1/8 oz	800-X	Fed. 209A	CB 2118-12	20.5 gr/ 5,500 PSI	22.5 gr/ 6,200 PSI	23.0 gr/ 6,700 PSI	24.5 gr/ 7,400 PSI
1 1/8 oz	800-X	Fed. 209A	Fed. 12S3	20.5 gr/ 5,700 PSI	22.0 gr/ 6,400 PSI	23.0 gr/ 6,900 PSI	25.0 gr/ 7,700 PSI
1 1/8 oz	800-X	Fed. 209A	Rem. FIG. 8	21.0 gr/ 5,400 PSI	22.5 gr/ 6,000 PSI	24.0 gr/ 6,600 PSI	25.5 gr/ 7,100 PSI
1 1/8 oz	800-X	Fed. 209A	WAA12	20.5 gr/ 5,800 PSI	21.5 gr/ 6,300 PSI	23.0 gr/ 7,000 PSI	24.5 gr/ 7,700 PSI
1 1/8 oz	800-X	Fed. 209A	Windjammer	22.0 gr/ 4,900 PSI	23.0 gr/ 5,400 PSI	24.0 gr/ 5,900 PSI	25.5 gr/ 6,700 PSI
1 1/8 oz	800-X	Win. 209	CB 2118-12	20.5 gr/ 5,500 PSI	22.0 gr/ 6,000 PSI	23.5 gr/ 6,700 PSI	25.0 gr/ 7,400 PSI
1 1/8 oz	800-X	Win. 209	Fed. 12S3	20.5 gr/ 5,700 PSI	22.0 gr/ 6,300 PSI	23.0 gr/ 6,800 PSI	24.5 gr/ 7,500 PSI
1 1/8 oz	800-X	Win. 209	Rem. FIG. 8	21.0 gr/ 5,400 PSI	22.0 gr/ 5,900 PSI	23.5 gr/ 6,500 PSI	25.0 gr/ 7,100 PSI
1 1/8 oz	800-X	Win. 209	WAA12	20.5 gr/ 5,800 PSI	21.5 gr/ 6,300 PSI	23.0 gr/ 7,000 PSI	25.0 gr/ 7,700 PSI
1 1/8 oz	800-X	Win. 209	Windjammer	22.0 gr/ 4,900 PSI	23.0 gr/ 5,400 PSI	24.0 gr/ 5,900 PSI	25.5 gr/ 6,700 PSI
				980 fps	1035 fps	1090 fps	1145 fps
1 1/8 oz	WAA1ite	Ched. 209	Fed. 12S0	13.6 gr/ 6,500 PSI	14.8 gr/ 7,700 PSI	15.9 gr/ 8,900 PSI	17.0 gr/10,300 PSI
1 1/8 oz	WAA1ite	Ched. 209	J-XL-1	-	14.6 gr/ 7,000 PSI	15.6 gr/ 8,400 PSI	17.0 gr/10,100 PSI
1 1/8 oz	WAA1ite	Ched. 209	Rem. TGT12	13.8 gr/ 6,400 PSI	14.7 gr/ 7,400 PSI	15.6 gr/ 8,500 PSI	17.0 gr/10,000 PSI
1 1/8 oz	WAA1ite	Ched. 209	WAA12SL	13.6 gr/ 6,400 PSI	14.5 gr/ 7,300 PSI	15.5 gr/ 8,300 PSI	16.9 gr/ 9,800 PSI
1 1/8 oz	WAA1ite	Fed. 209A	Fed. 12S0	13.6 gr/ 6,600 PSI	14.9 gr/ 7,800 PSI	16.1 gr/ 8,800 PSI	17.2 gr/ 9,800 PSI
1 1/8 oz	WAA1ite	Fed. 209A	J-XL-1	-	14.5 gr/ 7,300 PSI	15.5 gr/ 8,600 PSI	17.0 gr/ 9,600 PSI
1 1/8 oz	WAA1ite	Fed. 209A	Rem. TGT12	-	14.8 gr/ 7,700 PSI	15.9 gr/ 8,900 PSI	16.8 gr/10,000 PSI
1 1/8 oz	WAA1ite	Fed. 209A	WAA12SL	13.1 gr/ 6,500 PSI	14.3 gr/ 7,600 PSI	15.5 gr/ 8,700 PSI	16.7 gr/ 9,900 PSI
1 1/8 oz	WAA1ite	Rem. 209P	Fed. 12S0	13.8 gr/ 6,100 PSI	14.9 gr/ 7,200 PSI	15.9 gr/ 8,200 PSI	17.0 gr/ 9,200 PSI
1 1/8 oz	WAA1ite	Rem. 209P	J-XL-1	14.0 gr/ 5,500 PSI	15.0 gr/ 6,500 PSI	16.2 gr/ 7,800 PSI	17.1 gr/ 8,800 PSI
1 1/8 oz	WAA1ite	Rem. 209P	Rem. TGT12	14.0 gr/ 5,900 PSI	15.1 gr/ 7,200 PSI	16.2 gr/ 8,600 PSI	17.0 gr/ 9,600 PSI
1 1/8 oz	WAA1ite	Rem. 209P	WAA12SL	14.1 gr/ 5,400 PSI	15.2 gr/ 6,700 PSI	16.2 gr/ 7,900 PSI	17.2 gr/ 9,100 PSI
1 1/8 oz	WAA1ite	Win. 209	Fed. 12S0	14.0 gr/ 5,800 PSI	15.1 gr/ 7,100 PSI	16.1 gr/ 8,300 PSI	17.2 gr/ 9,600 PSI
1 1/8 oz	WAA1ite	Win. 209	J-XL-1	13.8 gr/ 5,900 PSI	14.9 gr/ 7,000 PSI	15.8 gr/ 7,900 PSI	16.9 gr/ 9,000 PSI
1 1/8 oz	WAA1ite	Win. 209	WAA12SL	13.5 gr/ 6,000 PSI	14.7 gr/ 7,000 PSI	15.8 gr/ 8,400 PSI	17.0 gr/ 9,900 PSI
				1145 fps	1200 fps	1255 fps	1310 fps
1 1/8 oz	WST	CCI 209	Fed. 12S3	19.5 gr/ 8,500 PSI	21.0 gr/10,300 PSI	-	-
1 1/8 oz	WST	Win. 209	Fed. 12S3	-	21.0 gr/ 9,500 PSI	-	-
1 1/8 oz	Super Hcp	Ched. 209	Fed. 12S0	19.4 gr/ 6,400 PSI	20.9 gr/ 7,800 PSI	23.4 gr/10,200 PSI	23.8 gr/10,600 PSI
1 1/8 oz	Super Hcp	Ched. 209	Rem. TGT12	-	20.5 gr/ 7,000 PSI	22.0 gr/ 8,100 PSI	23.5 gr/ 9,200 PSI
1 1/8 oz	Super Hcp	Ched. 209	WAA12SL	-	21.1 gr/ 6,900 PSI	22.3 gr/ 8,200 PSI	23.6 gr/ 9,700 PSI
1 1/8 oz	Super Hcp	Fed. 209A	Fed. 12S0	18.8 gr/ 6,600 PSI	20.5 gr/ 7,800 PSI	21.3 gr/ 8,400 PSI	23.9 gr/10,400 PSI
1 1/8 oz	Super Hcp	Fed. 209A	J-XL-1	-	20.7 gr/ 7,500 PSI	22.3 gr/ 8,600 PSI	24.0 gr/ 9,800 PSI
1 1/8 oz	Super Hcp	Fed. 209A	Rem. TGT12	-	21.0 gr/ 7,400 PSI	22.2 gr/ 8,500 PSI	23.8 gr/10,000 PSI
1 1/8 oz	Super Hcp	Fed. 209A	WAA12SL	19.0 gr/ 6,600 PSI	20.5 gr/ 7,800 PSI	22.0 gr/ 8,900 PSI	23.6 gr/10,200 PSI
1 1/8 oz	Super Hcp	Rem. 209P	Fed. 12S0	19.9 gr/ 6,100 PSI	21.3 gr/ 7,700 PSI	22.7 gr/ 9,000 PSI	24.1 gr/10,400 PSI
1 1/8 oz	Super Hcp	Rem. 209P	J-XL-1	-	21.6 gr/ 7,000 PSI	22.8 gr/ 8,200 PSI	24.2 gr/ 9,500 PSI
1 1/8 oz	Super Hcp	Rem. 209P	Rem. TGT12	-	21.2 gr/ 6,900 PSI	22.7 gr/ 8,200 PSI	24.1 gr/ 9,500 PSI
1 1/8 oz	Super Hcp	Rem. 209P	WAA12SL	19.6 gr/ 5,800 PSI	21.2 gr/ 7,000 PSI	22.8 gr/ 8,200 PSI	24.4 gr/ 9,400 PSI
1 1/8 oz	Super Hcp	Win. 209	Fed. 12S0	20.5 gr/ 5,700 PSI	21.9 gr/ 7,200 PSI	23.3 gr/ 8,700 PSI	24.6 gr/10,100 PSI
1 1/8 oz	Super Hcp	Win. 209	Rem. TGT12	-	21.6 gr/ 7,100 PSI	23.0 gr/ 8,100 PSI	24.5 gr/ 9,400 PSI
1 1/8 oz	Super Hcp	Win. 209	WAA12SL	19.7 gr/ 5,800 PSI	21.4 gr/ 7,100 PSI	23.0 gr/ 8,300 PSI	24.6 gr/ 9,500 PSI

For complete data, visit our website at www.hodgdon.com

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1220 fps	1330 fps		
1 1/4 oz	Universal	CCI 209SC	Fed. 12S4	24.0 gr/ 9,500 PSI	—		
1 1/4 oz	Universal	CCI 209	Fed. 12S4	25.0 gr/ 10,100 PSI	—		
1 1/4 oz	Universal	Fed. 209A	Fed. 12S4	23.3 gr/ 10,400 PSI	—		
1 1/4 oz	Universal	Fid. 616	Rem. SP12	24.7 gr/ 9,200 PSI	—		
1 1/4 oz	Universal	Win. 209	WAA12 F114	24.5 gr/ 10,300 PSI	—		
1 1/4 oz	HS-6	Win. 209	WAA12F114	32.0 gr/ 9,600 LUP	34.5 gr/ 10,100 LUP		
				1330 fps	1385 fps	1440 fps	1495 fps
1 1/4 oz	Longshot	CCI 209 M	Fed. 12S3	29.5 gr/ 10,200 PSI	30.6 gr/ 10,900 PSI	—	—
1 1/4 oz	Longshot	CCI 209M	Rem. R12L	29.8 gr/ 8,700 PSI	31.5 gr/ 9,500 PSI	33.2 gr/ 10,400 PSI	—
1 1/4 oz	Longshot	CCI 209M	WAA12F114	29.2 gr/ 9,000 PSI	30.6 gr/ 9,900 PSI	32.0 gr/ 10,900 PSI	—
1 1/4 oz	Longshot	Fed. 209A	Fed. 12S4	28.4 gr/ 9,800 PSI	30.2 gr/ 10,800 PSI	—	—
1 1/4 oz	Longshot	Fed. 209A	Rem. R12L	29.2 gr/ 9,400 PSI	30.7 gr/ 10,400 PSI	32.1 gr/ 11,400 PSI	—
1 1/4 oz	Longshot	Fed. 209A	WAA12F114	28.2 gr/ 9,900 PSI	29.9 gr/ 10,900 PSI	—	—
1 1/4 oz	Longshot	Rem. 209P	Fed. 12S4	28.4 gr/ 9,400 PSI	30.1 gr/ 10,300 PSI	31.8 gr/ 11,300 PSI	—
1 1/4 oz	Longshot	Rem. 209P	Rem. R12L	29.1 gr/ 8,800 PSI	31.1 gr/ 9,700 PSI	33.0 gr/ 10,500 PSI	—
1 1/4 oz	Longshot	Rem. 209P	WAA12F114	28.3 gr/ 9,200 PSI	30.3 gr/ 10,100 PSI	32.4 gr/ 11,000 PSI	—
1 1/4 oz	Longshot	Win. 209	Fed. 12S4	29.7 gr/ 8,000 PSI	31.3 gr/ 9,300 PSI	32.9 gr/ 10,600 PSI	—
1 1/4 oz	Longshot	Win. 209	Rem. R12L	30.7 gr/ 7,700 PSI	32.2 gr/ 8,700 PSI	33.6 gr/ 9,700 PSI	35.0 gr/ 10,800 PSI
1 1/4 oz	Longshot	Win. 209	WAA12F114	—	33.4 gr/ 7,200 PSI	34.4 gr/ 9,200 PSI	35.4 gr/ 11,300 PSI
				1250 fps	1275 fps	1300 fps	1325 fps
1 1/4 oz	PB	Fed. 209A	CB3118-12-AR	—	25.5 gr/ 11,100 PSI	26.0 gr/ 11,500 PSI	—
1 1/4 oz	PB	Fed. 209A	Fed. 12S4	23.5 gr/ 10,500 PSI	25.0 gr/ 11,300 PSI	—	—
1 1/4 oz	PB	Fed. 209A	Rem. FIG. 8	—	25.5 gr/ 10,500 PSI	—	27.0 gr/ 11,500 PSI
1 1/4 oz	PB	Rem. 209P	CB3118-12-AR	—	26.5 gr/ 9,600 PSI	28.0 gr/ 10,200 PSI	—
1 1/4 oz	PB	Rem. 209P	Fed. 12S4	—	—	26.5 gr/ 10,000 PSI	28.0 gr/ 11,100 PSI
1 1/4 oz	PB	Rem. 209P	Rem. SP12	—	27.5 gr/ 9,200 PSI	—	29.0 gr/ 10,500 PSI
1 1/4 oz	PB	Win. 209	CB3118-12-AR	—	26.5 gr/ 10,000 PSI	—	28.0 gr/ 11,400 PSI
1 1/4 oz	PB	Win. 209	Fed. 12S4	—	26.0 gr/ 10,800 PSI	—	27.5 gr/ 11,500 PSI
1 1/4 oz	PB	Win. 209	Rem. SP12	—	26.5 gr/ 9,800 PSI	—	28.0 gr/ 10,600 PSI
1 1/4 oz	SR 7625	Fed. 209A	CB3118-12-AR	—	26.5 gr/ 10,100 PSI	—	28.0 gr/ 10,800 PSI
1 1/4 oz	SR 7625	Fed. 209A	Fed. 12S3	—	27.0 gr/ 10,100 PSI	—	29.0 gr/ 11,000 PSI
1 1/4 oz	SR 7625	Fed. 209A	Rem. SP12	—	27.0 gr/ 10,000 PSI	—	28.5 gr/ 11,000 PSI
1 1/4 oz	SR 7625	Fed. 209A	WAA12	—	27.0 gr/ 10,100 PSI	—	28.5 gr/ 11,400 PSI
1 1/4 oz	SR 7625	Rem. 209P	Fed. 12S3	—	28.0 gr/ 8,900 PSI	—	30.0 gr/ 9,700 PSI
1 1/4 oz	SR 7625	Rem. 209P	Rem. SP12	—	29.0 gr/ 8,200 PSI	—	30.5 gr/ 8,900 PSI
1 1/4 oz	SR 7625	Rem. 209P	Windjammer	—	29.0 gr/ 8,300 PSI	—	30.5 gr/ 9,000 PSI
1 1/4 oz	SR 7625	Win. 209	Fed. 12S3	—	28.0 gr/ 9,200 PSI	—	30.0 gr/ 10,300 PSI
1 1/4 oz	SR 7625	Win. 209	WAA12	—	28.0 gr/ 9,100 PSI	—	29.5 gr/ 10,200 PSI
1 1/4 oz	SR 7625	Win. 209	Windjammer	—	28.5 gr/ 8,300 PSI	—	30.0 gr/ 9,000 PSI
1 1/4 oz	SR 4756	Fed. 209A	Fed. 12S4	—	30.0 gr/ 9,700 PSI	—	31.5 gr/ 10,400 PSI
1 1/4 oz	SR 4756	Fed. 209A	Rem. SP12	—	30.0 gr/ 9,000 PSI	—	31.5 gr/ 9,800 PSI
1 1/4 oz	SR 4756	Fed. 209A	WAA12R	—	30.5 gr/ 8,900 PSI	—	31.5 gr/ 9,700 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1250 fps	1275 fps	1300 fps	1325 fps
1 1/4 oz	SR 4756	Rem. 209P	Fed. 12S4	—	33.0 gr/ 7,600 PSI	—	—
1 1/4 oz	SR 4756	Rem. 209P	WAA12R	—	33.0 gr/ 8,000 PSI	—	34.0 gr/ 8,900 PSI
1 1/4 oz	SR 4756	Win. 209	Fed. 12S4	—	31.0 gr/ 9,100 PSI	—	32.0 gr/ 9,800 PSI
1 1/4 oz	SR 4756	Win. 209	Rem. RP12	—	32.0 gr/ 8,800 PSI	—	33.0 gr/ 9,400 PSI
1 1/4 oz	SR 4756	Win. 209	WAA12R	—	30.5 gr/ 8,400 PSI	—	32.0 gr/ 8,900 PSI
1 1/4 oz	800-X	Fed. 209A	CB3118-12-AR	—	26.0 gr/ 8,900 PSI	—	27.5 gr/ 9,800 PSI
1 1/4 oz	800-X	Fed. 209A	Fed. 12S4	—	25.0 gr/ 9,500 PSI	—	26.5 gr/ 10,400 PSI
1 1/4 oz	800-X	Fed. 209A	Rem. SP12	—	25.5 gr/ 9,100 PSI	—	27.0 gr/ 9,900 PSI
1 1/4 oz	800-X	Fed. 209A	WAA12	—	26.0 gr/ 9,200 PSI	—	27.5 gr/ 10,100 PSI
1 1/4 oz	800-X	Rem. 209P	CB3118-12-AR	—	27.0 gr/ 7,700 PSI	—	29.0 gr/ 8,500 PSI
1 1/4 oz	800-X	Rem. 209P	Fed. 12S4	—	26.5 gr/ 8,900 PSI	—	28.0 gr/ 9,700 PSI
1 1/4 oz	800-X	Rem. 209P	Rem. SP12	—	27.0 gr/ 7,700 PSI	—	29.0 gr/ 8,500 PSI
1 1/4 oz	800-X	Rem. 209P	WAA12	—	27.0 gr/ 7,900 PSI	—	28.5 gr/ 9,000 PSI
1 1/4 oz	800-X	Win. 209	CB3118-12-AR	—	26.0 gr/ 8,100 PSI	—	28.0 gr/ 9,300 PSI
1 1/4 oz	800-X	Win. 209	Fed. 12S3	—	26.0 gr/ 8,800 PSI	—	27.5 gr/ 9,700 PSI
1 1/4 oz	800-X	Win. 209	Rem. SP12	—	26.0 gr/ 8,200 PSI	—	27.5 gr/ 9,700 PSI
1 1/4 oz	800-X	Win. 209	WAA12	—	25.5 gr/ 8,600 PSI	—	27.5 gr/ 9,600 PSI
				1275 fps	1330 fps		
1 1/4 oz	WSF	CCI 209	Fed. 12S4	27.0 gr/ 9,200 PSI	29.5 gr/ 10,600 PSI	—	—
1 1/4 oz	WSF	Win. 209	Fed. 12S4	—	31.5 gr/ 9,500 PSI	—	—
				1185 fps	1240 fps	1295 fps	1350 fps
1 3/8 oz	Longshot	CCI 209 M	Fed. 12S4	23.8 gr/ 9,500 PSI	25.4 gr/ 10,100 PSI	27.1 gr/ 10,900 PSI	—
1 3/8 oz	Longshot	CCI 209 M	Rem. R12H	25.0 gr/ 8,500 PSI	26.6 gr/ 9,500 PSI	28.2 gr/ 10,500 PSI	29.8 gr/ 11,500 PSI
1 3/8 oz	Longshot	CCI 209 M	WAA12F114	24 gr. / 9,100 PSI	25.5 gr. / 10,300 PSI	27 gr. / 11,400 PSI	—
1 3/8 oz	Longshot	FED. 209A	Fed. 12S4	24.6 gr/ 9,500 PSI	26.2 gr/ 10,700 PSI	—	—
1 3/8 oz	Longshot	FED. 209A	Rem. R12H	25.7 gr/ 8,600 PSI	27.3 gr/ 9,500 PSI	29.0 gr/ 10,400 PSI	—
1 3/8 oz	Longshot	FED. 209A	WAA12F114	24.6 gr/ 9,300 PSI	26.3 gr/ 10,300 PSI	28.0 gr/ 11,500 PSI	—
1 3/8 oz	Longshot	REM. 209P	Fed. 12S4	24.8 gr/ 8,900 PSI	26.4 gr/ 10,300 PSI	27.9 gr/ 11,500 PSI	—
1 3/8 oz	Longshot	REM. 209P	Rem. R12H	27.3 gr/ 7,700 PSI	28.4 gr/ 8,600 PSI	29.5 gr/ 9,600 PSI	30.6 gr/ 10,500 PSI
1 3/8 oz	Longshot	REM. 209P	WAA12F114	25.2 gr/ 8,700 PSI	26.8 gr/ 9,700 PSI	28.3 gr/ 10,700 PSI	—
1 3/8 oz	Longshot	WIN. 209	Rem. R12H	28.7 gr/ 6,900 PSI	29.6 gr/ 8,000 PSI	30.6 gr/ 9,200 PSI	31.6 gr/ 10,400 PSI
1 3/8 oz	Longshot	WIN. 209	WAA12F114	26.5 gr/ 8,400 PSI	28.1 gr/ 9,100 PSI	29.8 gr/ 9,900 PSI	—
				1175 fps	1200 fps	1225 fps	1250 fps
1 3/8 oz	PB	Fed. 209A	Rem. SP12	22.5 gr/ 10,900 PSI	—	—	—
1 3/8 oz	PB	Fed. 209A	WAA12R	22.5 gr/ 10,800 PSI	—	—	—
1 3/8 oz	PB	Rem. 209P	Rem. SP12	—	24.5 gr/ 11,000 PSI	—	—
1 3/8 oz	PB	Rem. 209P	WAA12R	—	—	—	26.5 gr/ 11,000 PSI
1 3/8 oz	PB	Win. 209	Rem. SP12	23.5 gr/ 11,100 PSI	—	—	—
1 3/8 oz	PB	Win. 209	WAA12R	—	24.0 gr/ 11,000 PSI	—	—
1 3/8 oz	SR 7625	Fed. 209A	Rem. SP12	25.0 gr/ 11,200 PSI	—	—	—
1 3/8 oz	SR 7625	Fed. 209A	WAA12R	—	26.0 gr/ 11,000 PSI	—	—
1 3/8 oz	SR 7625	Rem. 209P	Rem. RP12	—	—	—	28.0 gr/ 11,100 PSI
1 3/8 oz	SR 7625	Rem. 209P	WAA12R	—	—	—	28.5 gr/ 11,000 PSI
1 3/8 oz	SR 7625	Win. 209	Rem. SP12	—	26.5 gr/ 11,200 PSI	—	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1175 fps	1200 fps	1225 fps	1250 fps
1 3/8 oz	SR 7625	Win. 209	WAA12R	—	27.0 gr / 11,000 PSI	—	—
1 3/8 oz	SR 4756	Fed. 209A	Rem. RP12	—	—	—	30.0 gr / 10,900 PSI
				1300 fps	1325 fps	1350 fps	
1 3/8 oz	SR 4756	Fed. 209A	WAA12R	31.5 gr / 11,000 PSI	—	—	—
1 3/8 oz	SR 4756	Rem. 209P	Rem. RP12	—	—	34.5 gr / 10,900 PSI	—
1 3/8 oz	SR 4756	Rem. 209P	WAA12R	—	—	35.0 gr / 10,500 PSI	—
1 3/8 oz	SR 4756	Win. 209	Rem. RP12	—	33.0 gr / 11,200 PSI	—	—
1 3/8 oz	SR 4756	Win. 209	WAA12R	—	34.0 gr / 11,000 PSI	—	—
				1225 fps	1275 fps		
1 3/8 oz	800-X	Fed. 209A	Fed. 12S4	25.0 gr / 10,900 PSI	—	—	—
1 3/8 oz	800-X	Fed. 209A	Rem. SP12	—	26.5 gr / 11,000 PSI	—	—
1 3/8 oz	800-X	Fed. 209A	WAA12R	—	26.0 gr / 11,000 PSI	—	—
1 3/8 oz	800-X	Rem. 209P	Fed. 12S4	—	27.0 gr / 9,700 PSI	—	—
				1275 fps	1325 fps	1375 fps	
1 3/8 oz	800-X	Rem. 209P	Rem. SP12	—	—	32.0 gr / 11,000 PSI	—
1 3/8 oz	800-X	Rem. 209P	WAA12R	—	—	30.5 gr / 11,000 PSI	—
1 3/8 oz	800-X	Win. 209	Fed. 12S4	26.0 gr / 11,000 PSI	—	—	—
1 3/8 oz	800-X	Win. 209	Rem. SP12	—	29.0 gr / 10,900 PSI	—	—
1 3/8 oz	800-X	Win. 209	WAA12R	—	27.5 gr / 11,000 PSI	—	—
				1205 fps	1260 fps	1315 fps	
1 1/2 oz	Longshot	Fed. 209A	Fed. 12S4	25.5 gr / 11,400 PSI	—	—	—
1 1/2 oz	Longshot	Fed. 209A	WAA12R	25.6 gr / 10,200 PSI	27.2 gr / 11,500 PSI	—	—
1 1/2 oz	Longshot	Win. 209	Fed. 12S4	26.8 gr / 10,200 PSI	28.0 gr / 11,400 PSI	—	—
1 1/2 oz	Longshot	Win. 209	WAA12R	27.2 gr / 9,000 PSI	29.1 gr / 10,200 PSI	31.0 gr / 11,500 PSI	—
				1150 fps	1175 fps	1200 fps	1225 fps
1 1/2 oz	SR 7625	Fed. 209A	Rem. RP12	25.0 gr / 11,400 PSI	—	—	—
1 1/2 oz	SR 7625	Fed. 209A	WAA12R	25.5 gr / 11,200 PSI	—	—	—
1 1/2 oz	SR 7625	Rem. 209P	Rem. RP12	—	27.5 gr / 11,100 PSI	—	—
1 1/2 oz	SR 7625	Rem. 209P	WAA12R	—	28.0 gr / 11,000 PSI	—	—
1 1/2 oz	SR 7625	Win. 209	Rem. RP12	25.5 gr / 11,000 PSI	—	—	—
1 1/2 oz	SR 7625	Win. 209	WAA12R	26.5 gr / 11,000 PSI	—	—	—
1 1/2 oz	SR 4756	Fed. 209A	Rem. RP12	—	27.5 gr / 11,000 PSI	—	—
1 1/2 oz	SR 4756	Fed. 209A	WAA12R	—	28.0 gr / 11,100 PSI	—	—
1 1/2 oz	SR 4756	Rem. 209P	Rem. RP12	—	—	—	30.5 gr / 11,100 PSI
1 1/2 oz	SR 4756	Win. 209	Rem. RP12	—	28.5 gr / 11,000 PSI	—	—
1 1/2 oz	SR 4756	Win. 209	WAA12R	—	—	30.0 gr / 10,800 PSI	—
1 1/2 oz	800-X	Fed. 209A	Fed. 12S4	—	—	24.5 gr / 11,200 PSI	—
1 1/2 oz	800-X	Fed. 209A	Rem. SP12	—	—	—	26.5 gr / 11,000 PSI
1 1/2 oz	800-X	Fed. 209A	WAA12R	—	—	—	26.0 gr / 11,200 PSI
1 1/2 oz	800-X	Rem. 209P	Fed. 12S4	—	—	26.0 gr / 10,400 PSI	—
				1175 fps	1225 fps	1250 fps	
1 1/2 oz	800-X	Rem. 209P	Rem. RP12	—	—	28.5 gr / 11,000 PSI	—
1 1/2 oz	800-X	Win. 209	Fed. 12S4	25.0 gr / 11,000 PSI	—	—	—
1 1/2 oz	800-X	Win. 209	Rem. SP12	—	27.0 gr / 11,100 PSI	—	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL GOLD MEDAL PLASTIC SHELLS (CONT.)							
				1175 fps	1225 fps	1250 fps	
1 1/2 oz	800-X	Win. 209	WAA12R	—	—	27.0 gr / 11,000 PSI	—
12 GA., 2 3/4", FEDERAL PAPER SHELLS							
				1250 fps	1325 fps	1400 fps	1475 fps
7/8 oz	Titewad	Fed. 209A	WAA12SL	19.1 gr / 6,900 PSI	20.9 gr / 8,100 PSI	22.7 gr / 9,400 PSI	24.6 gr / 10,600 PSI
7/8 oz	Titewad	Rem. 209P	Gr/BP SF12	18.4 gr / 8,000 PSI	20.0 gr / 9,400 PSI	21.5 gr / 11,100 PSI	—
7/8 oz	Titewad	Win. 209	WAA12SL	—	21.0 gr / 7,600 PSI	22.9 gr / 8,900 PSI	24.8 gr / 10,200 PSI
7/8 oz	Clays	Fed. 209A	WAA12SL	18.4 gr / 7,200 PSI	20.2 gr / 8,800 PSI	21.9 gr / 10,300 PSI	—
				1250 fps	1325 fps	1400 fps	1475 fps
7/8 oz	Clays	Rem. 209P	Rem. Fig. 8	—	20.9 gr / 8,100 PSI	22.5 gr / 9,300 PSI	—
7/8 oz	Clays	Win. 209	WAA12	—	21.2 gr / 7,600 PSI	22.6 gr / 9,300 PSI	24.0 gr / 11,100 PSI
7/8 oz	Internal'l	CCI 209M	Fed. 12S3	—	22.4 gr / 8,000 PSI	24.0 gr / 9,300 PSI	25.7 gr / 10,600 PSI
7/8 oz	Internal'l	Fed. 209A	Fed. 12S3	—	22.0 gr / 8,100 PSI	23.5 gr / 9,500 PSI	25.0 gr / 11,300 PSI
7/8 oz	Internal'l	Win. 209	WAA12	—	23.1 gr / 7,400 PSI	24.6 gr / 8,100 PSI	—
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Titewad	CCI 209SC	Windjammer	17.2 gr / 6,900 PSI	19.1 gr / 8,300 PSI	20.1 gr / 8,900 PSI	21.5 gr / 10,200 PSI
1 oz	Titewad	Fed. 209A	Fed. 12S3	18.1 gr / 7,500 PSI	19.5 gr / 8,400 PSI	20.6 gr / 9,700 PSI	22.0 gr / 11,100 PSI
1 oz	Titewad	Rem. 209P	Rem. Fig. 8	17.9 gr / 7,000 PSI	19.2 gr / 8,000 PSI	20.5 gr / 9,000 PSI	21.9 gr / 10,300 PSI
1 oz	Titewad	Win. 209	WAA12	17.4 gr / 7,200 PSI	18.7 gr / 8,900 PSI	20.0 gr / 9,800 PSI	21.3 gr / 10,900 PSI
1 oz	Clays	Fed. 209A	Fed. 12S0	18.0 gr / 7,100 PSI	19.5 gr / 8,700 PSI	21.0 gr / 10,900 PSI	—
1 oz	Clays	Rem. 209P	Rem. TGT 12	18.5 gr / 6,000 PSI	20.0 gr / 6,400 PSI	22.0 gr / 7,700 PSI	—
1 oz	Clays	Win. 209	Windjammer	18.0 gr / 5,800 PSI	19.5 gr / 7,300 PSI	20.5 gr / 8,800 PSI	—
1 oz	Clays	Win. 209	WAA12SL	17.5 gr / 6,400 PSI	19.0 gr / 8,300 PSI	21.0 gr / 10,800 PSI	—
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Internal'l	CCI 209M	Fed. 12C1	—	21.6 gr / 7,200 PSI	22.8 gr / 8,500 PSI	24.0 gr / 9,700 PSI
1 oz	Internal'l	Fed. 209A	Fed. 12C1	—	20.7 gr / 8,100 PSI	22.0 gr / 9,400 PSI	23.2 gr / 10,600 PSI
1 oz	Internal'l	Rem. 209P	Fed. 12C1	—	—	23.2 gr / 7,900 PSI	24.2 gr / 9,300 PSI
1 oz	Internal'l	Win. 209	Fed. 12C1	—	—	23.2 gr / 7,700 PSI	24.4 gr / 9,100 PSI
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Titewad	Ched. 209	Fed. 12S3	15.9 gr / 8,300 PSI	17.2 gr / 9,700 PSI	18.6 gr / 11,300 PSI	—
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	16.2 gr / 8,300 PSI	17.5 gr / 9,600 PSI	18.8 gr / 10,800 PSI	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	15.9 gr / 8,000 PSI	17.4 gr / 9,400 PSI	18.9 gr / 10,800 PSI	—
1 1/8 oz	Titewad	CCI 209SC	WAA12F114	15.3 gr / 9,600 PSI	16.6 gr / 10,500 PSI	17.5 gr / 10,800 PSI	—
1 1/8 oz	Titewad	CCI 209M	Fed. 12C1	16.3 gr / 8,600 PSI	17.5 gr / 9,800 PSI	18.6 gr / 10,900 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Fed. 12C1	16.6 gr / 7,700 PSI	17.9 gr / 8,800 PSI	19.3 gr / 10,100 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Fed. 12S4	16.2 gr / 9,000 PSI	17.2 gr / 9,600 PSI	18.4 gr / 10,800 PSI	—
1 1/8 oz	Titewad	Flo. 616	Hor. Versalite	16.0 gr / 8,000 PSI	17.0 gr / 9,100 PSI	18.4 gr / 10,500 PSI	—
1 1/8 oz	Titewad	Win. 209	WAA12	16.4 gr / 7,500 PSI	17.4 gr / 8,400 PSI	18.8 gr / 10,000 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.8 gr / 5,800 PSI	18.4 gr / 8,100 PSI	19.8 gr / 10,300 PSI	—
1 1/8 oz	Clays	Ched. 209	Windjammer	17.5 gr / 6,000 PSI	18.7 gr / 7,800 PSI	20.0 gr / 9,800 PSI	—
1 1/8 oz	Clays	Fed. 209A	Fed. 12C1	17.3 gr / 7,500 PSI	18.3 gr / 8,600 PSI	19.3 gr / 9,700 PSI	—
1 1/8 oz	Clays	Fed. 209A	Fed. 12S3	17.0 gr / 7,400 PSI	18.0 gr / 8,700 PSI	19.5 gr / 10,500 PSI	—
1 1/8 oz	Clays	Flo. 616	Hor. Versalite	16.8 gr / 7,500 PSI	17.5 gr / 8,600 PSI	19.0 gr / 10,300 PSI	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	18.0 gr / 5,900 PSI	18.5 gr / 7,000 PSI	19.5 gr / 9,200 PSI	—
1 1/8 oz	Clays	Win. 209	Fed. 12C1	—	19.3 gr / 7,600 PSI	20.0 gr / 8,300 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FEDERAL PAPER SHELLS (CONT.)							
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Clays	Win. 209	WAA12	17.0 gr/ 7,600 PSI	18.0 gr/ 8,800 PSI	19.0 gr/ 10,900 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Fed. 12C1	18.1 gr/ 6,900 PSI	19.3 gr/ 8,200 PSI	20.5 gr/ 9,500 PSI	21.6 gr/10,700 PSI
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.9 gr/ 6,900 PSI	19.1 gr/ 8,000 PSI	20.4 gr/ 9,200 PSI	21.7 gr/10,400 PSI
1 1/8 oz	Internat'l	Ched. 209	Windjammer	18.5 gr/ 6,700 PSI	19.7 gr/ 7,800 PSI	20.9 gr/ 8,800 PSI	22.1 gr/ 9,900 PSI
1 1/8 oz	Internat'l	CCI 209M	Red PC	—	21.2 gr/ 7,000 LUP	21.9 gr/ 7,500 LUP	22.8 gr/ 8,800 LUP
1 1/8 oz	Internat'l	Fed. 209A	Fed. 12C1	19.6 gr/ 7,800 PSI	20.9 gr/ 9,000 PSI	22.1 gr/ 10,200 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Fed. 12S4	18.8 gr/ 7,000 PSI	19.5 gr/ 7,500 PSI	21.0 gr/ 10,000 PSI	22.0 gr/11,200 PSI
1 1/8 oz	Internat'l	Win. 209	WAA12	20.0 gr/ 6,400 LUP	20.6 gr/ 7,000 LUP	21.6 gr/ 7,500 LUP	23.2 gr/ 8,600 LUP
1 1/8 oz	Internat'l	Rem. 209P	Fed. 12C1	—	21.8 gr/ 7,800 PSI	22.9 gr/ 9,000 PSI	—
				1365 fps	1420 fps	1475 fps	1530 fps
1 1/8 oz	Longshot	Fed. 209A	Fed. 12C1	—	33.1 gr/ 8,500 PSI	34.0 gr/ 9,800 PSI	34.9 gr/11,200 PSI
1 1/8 oz	Longshot	Fed. 209A	G/BP Z21	30.6 gr/ 8,100 PSI	31.4 gr/ 9,400 PSI	32.2 gr/ 10,600 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Fed. 12C1	—	33.6 gr/ 8,500 PSI	34.6 gr/ 9,500 PSI	35.5 gr/10,300 PSI
1 1/8 oz	Longshot	Win. 209	WAA12 F114	—	—	35.7 gr/ 8,700 PSI	36.5 gr/10,100 PSI
12 GA., 2 3/4", FIOCCHI, VICTORY,PMC AND NOBEL SPORT PLASTIC SHELLS (LOW BASEWAD)							
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	Fed. 209A	Fed. 12S0	18.7 gr/ 7,400 PSI	19.7 gr/ 8,600 PSI	20.7 gr/ 9,700 PSI	22.0 gr/10,500 PSI
7/8 oz	Titewad	Fio. 616	Fed. 12S0	18.2 gr/ 7,800 PSI	19.5 gr/ 8,900 PSI	20.5 gr/ 10,000 PSI	21.5 gr/11,200 PSI
7/8 oz	Titewad	Win. 209	WAA12SL	18.4 gr/ 7,500 PSI	19.5 gr/ 8,400 PSI	20.6 gr/ 9,300 PSI	21.5 gr/10,000 PSI
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	CCI 209M	Purple PC	17.3 gr/ 5,700 PSI	18.1 gr/ 6,300 PSI	19.2 gr/ 7,700 PSI	—
7/8 oz	Clays	Fed. 209A	Rem. TGT 12	16.5 gr/ 6,400 PSI	17.7 gr/ 7,300 PSI	18.7 gr/ 7,400 PSI	—
7/8 oz	Clays	Fio. 616	Fed. 12S0	16.6 gr/ 6,800 PSI	17.8 gr/ 7,500 PSI	19.2 gr/ 8,500 PSI	—
7/8 oz	Clays	Win. 209	WAA12SL	16.8 gr/ 6,200 PSI	18.0 gr/ 7,200 PSI	19.0 gr/ 8,000 PSI	—
7/8 oz	Internat'l	CCI 209SC	WAA12SL	—	21.0 gr/ 7,300 PSI	22.0 gr/ 8,100 PSI	22.5 gr/ 8,600 PSI
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Titewad	Fed. 209A	Fed. 12S0	17.0 gr/ 8,400 PSI	19.0 gr/ 10,200 PSI	20.0 gr/ 11,100 PSI	—
1 oz	Titewad	Fio. 616	Rem. Fig. 8	17.0 gr/ 8,200 PSI	18.0 gr/ 9,200 PSI	19.5 gr/ 10,300 PSI	—
1 oz	Titewad	Win. 209	WAA12SL	17.2 gr/ 7,400 PSI	18.5 gr/ 8,900 PSI	19.8 gr/ 9,800 PSI	—
1 oz	Clays	CCI 209M	Purple PC	18.0 gr/ 7,300 PSI	19.1 gr/ 8,600 PSI	19.9 gr/ 9,400 PSI	—
1 oz	Clays	CCI 209SC	WAA12SL	18.0 gr/ 8,400 PSI	18.5 gr/ 9,500 PSI	—	—
1 oz	Clays	Win. 209	WAA12SL	17.1 gr/ 7,800 PSI	18.5 gr/ 9,200 PSI	19.3 gr/ 10,600 PSI	—
1 oz	Internat'l	CCI 209M	Purple PC	19.6 gr/ 6,400 PSI	20.5 gr/ 7,000 PSI	21.6 gr/ 8,200 PSI	—
1 oz	Internat'l	Win. 209	WAA12SL	19.0 gr/ 7,100 PSI	20.0 gr/ 8,600 PSI	21.1 gr/ 9,600 PSI	—
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Titewad	Ched. 209	Fio. TL1	15.6 gr/ 8,800 PSI	17.0 gr/ 10,400 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.5 gr/ 8,500 PSI	17.0 gr/ 9,600 PSI	18.5 gr/ 10,800 PSI	—
1 1/8 oz	Titewad	Ched. 209	WAA12	15.5 gr/ 8,600 PSI	16.8 gr/ 9,800 PSI	18.1 gr/ 11,000 PSI	—
1 1/8 oz	Titewad	Fio. 616	Fio. TL1	15.3 gr/ 9,300 PSI	16.4 gr/ 10,500 PSI	17.7 gr/ 11,400 PSI	—
1 1/8 oz	Titewad	Win. 209	WAA12	16.2 gr/ 7,900 PSI	16.9 gr/ 8,500 PSI	18.5 gr/ 10,000 PSI	—
1 1/8 oz	Clays	Ched. 209	Fio. TL1	16.8 gr/ 8,300 PSI	18.1 gr/ 9,500 PSI	19.5 gr/ 10,800 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.9 gr/ 7,100 PSI	18.3 gr/ 8,700 PSI	19.7 gr/ 10,300 PSI	—
1 1/8 oz	Clays	Ched. 209	WAA12	16.7 gr/ 7,700 PSI	17.9 gr/ 9,100 PSI	19.2 gr/ 10,500 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", FIOCCHI, VICTORY,PMC AND NOBEL SPORT PLASTIC SHELLS (LOW BASEWAD) (CONT.)							
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Clays	CCI 209	Hor. Versalite	17.9 gr/ 6,300 LUP	18.9 gr/ 7,000 LUP	20.0 gr/ 7,700 LUP	—
1 1/8 oz	Clays	CCI 209SC	Fio. TL1	16.8 gr/ 8,300 PSI	18.0 gr/ 8,900 PSI	—	—
1 1/8 oz	Clays	Fed. 209A	Fed. 12S3	16.5 gr/ 9,100 PSI	17.0 gr/ 10,000 PSI	—	—
1 1/8 oz	Clays	Fio. 616	Fio. TL1	16.5 gr/ 7,000 LUP	17.9 gr/ 8,000 LUP	19.4 gr/ 9,100 LUP	—
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	17.6 gr/ 6,200 LUP	18.8 gr/ 6,800 LUP	19.9 gr/ 7,500 LUP	—
1 1/8 oz	Clays	Win. 209	WAA12	16.3 gr/ 6,800 LUP	17.6 gr/ 8,000 LUP	18.9 gr/ 9,200 LUP	—
1 1/8 oz	Internat'l	Ched. 209	Fio. TL1	17.9 gr/ 7,000 PSI	19.3 gr/ 8,200 PSI	20.7 gr/ 9,400 PSI	22.0 gr/10,400 PSI
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	18.2 gr/ 6,600 PSI	19.5 gr/ 7,700 PSI	20.8 gr/ 8,700 PSI	22.1 gr/ 9,700 PSI
1 1/8 oz	Internat'l	Ched. 209	WAA12	17.9 gr/ 7,000 PSI	19.1 gr/ 7,900 PSI	20.1 gr/ 8,700 PSI	21.7 gr/10,000 PSI
1 1/8 oz	Internat'l	CCI 209SC	Fio. TL1	19.0 gr/ 7,400 PSI	20.0 gr/ 8,500 PSI	21.0 gr/ 9,400 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Fio. TL1	18.0 gr/ 7,800 PSI	18.5 gr/ 8,300 PSI	20.0 gr/ 10,400 PSI	—
1 1/8 oz	Internat'l	Fio. 616	Fio. TL1	19.3 gr/ 7,400 LUP	20.3 gr/ 7,700 LUP	21.0 gr/ 8,300 LUP	22.6 gr/ 9,900 LUP
1 1/8 oz	Internat'l	Win. 209	WAA12	19.2 gr/ 7,000 LUP	19.7 gr/ 7,400 LUP	21.0 gr/ 8,500 LUP	22.0 gr/ 9,800 LUP
				1200 fps	1255 fps	1310 fps	
1 1/8 oz	Universal	Fio. 616	Fio. TL1	23.4 gr/ 8,600 PSI	25.0 gr/ 9,800 PSI	26.5 gr/ 10,600 PSI	—
1 1/8 oz	Universal	Win. 209	WAA12	23.3 gr/ 9,100 PSI	24.0 gr/ 9,600 PSI	25.0 gr/ 10,800 PSI	—
				1420 fps	1475 fps	1530 fps	1585 fps
1 1/8 oz	Longshot	Fio. 616	Fed. 12S3	33.2 gr/ 8,000 PSI	34.7 gr/ 8,900 PSI	36.2 gr/ 9,800 PSI	37.8 gr/10,700 PSI
1 1/8 oz	Longshot	Fio. 616	Fio. TL1	33.4 gr/ 8,300 PSI	34.8 gr/ 9,300 PSI	36.2 gr/ 10,300 PSI	37.6 gr/11,200 PSI
1 1/8 oz	Longshot	Fio. 616	Rem. Fig. 8	33.4 gr/ 7,500 PSI	34.9 gr/ 8,500 PSI	36.4 gr/ 9,400 PSI	37.9 gr/10,300 PSI
1 1/8 oz	Longshot	Fio. 616	WAA12	32.7 gr/ 8,400 PSI	34.0 gr/ 9,300 PSI	35.3 gr/ 10,100 PSI	36.6 gr/11,000 PSI
1 1/8 oz	Longshot	Fio. 616	Windjammer	33.7 gr/ 7,600 PSI	35.3 gr/ 8,400 PSI	36.8 gr/ 9,200 PSI	38.3 gr/10,000 PSI
				1145 fps	1200 fps		
1 1/8 oz	700-X	Fio. 616	CB 1100-12	17.5 gr/ 8,000 PSI	—	—	—
1 1/8 oz	700-X	Fio. 616	CB 1100-12	—	18.5 gr/ 9,000 PSI	—	—
1 1/8 oz	700-X	Fio. 616	Fio. 12GW	17.0 gr/ 9,100 PSI	—	—	—
1 1/8 oz	700-X	Fio. 616	Fio. 12GW	—	18.0 gr/ 9,800 PSI	—	—
				1220 fps	1330 fps		
1 1/4 oz	Universal	Fio. 616	WAA12F114	24.0 gr/ 10,900 PSI	—	—	—
1 1/4 oz	Universal	Win. 209	Rem. SP12	24.0 gr/ 10,900 PSI	—	—	—
1 1/4 oz	HS-6	Win. 209	Rem. R12H	—	35.0 gr/ 9,200 LUP	—	—
				1185 fps	1240 fps	1295 fps	1350 fps
1 3/8 oz	Longshot	Fio. 616	G/BP Sport	25.6 gr/ 8,000 PSI	27.3 gr/ 9,200 PSI	28.9 gr/ 10,400 PSI	30.8 gr/11,500 PSI
1 3/8 oz	Longshot	Fio. 616	Rem. SP12	—	27.4 gr/ 8,700 PSI	28.9 gr/ 9,700 PSI	30.5 gr/10,700 PSI
1 3/8 oz	Longshot	Win. 209	Fed. 12S4	26.0 gr/ 8,300 PSI	27.5 gr/ 9,300 PSI	29.0 gr/ 10,400 PSI	—
12 GA., 2 3/4", REMINGTON STS. OR NITRO 27, OR GUN CLUB PLASTIC SHELLS							
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	CCI 209	Rem. TGT 12	16.9 gr/ 9,400 PSI	17.8 gr/ 10,800 PSI	19.0 gr/ 11,400 PSI	—
7/8 oz	Titewad	CCI 209	WAA12L	16.8 gr/ 10,100 PSI	18.0 gr/ 10,700 PSI	19.0 gr/ 11,500 PSI	—
7/8 oz	Titewad	CCI 209SC	Rem. TGT 12	16.6 gr/ 9,600 PSI	17.7 gr/ 10,800 PSI	18.8 gr/ 11,500 PSI	—
7/8 oz	Titewad	CCI 209SC	WAA12SL	17.0 gr/ 10,600 PSI	17.3 gr/ 10,900 PSI	—	—
7/8 oz	Titewad	Fed. 209A	Rem. TGT 12	16.8 gr/ 9,100 PSI	18.0 gr/ 10,100 PSI	19.1 gr/ 11,000 PSI	20.2 gr/ 11,500 PSI
7/8 oz	Titewad	Fed. 209A	WAA12L	17.0 gr/ 9,600 PSI	18.0 gr/ 10,700 PSI	19.0 gr/ 11,500 PSI	—
7/8 oz	Titewad	Rem. 209P	CB-4100-12	17.8 gr/ 7,000 PSI	19.0 gr/ 8,000 PSI	20.1 gr/ 8,800 PSI	21.3 gr/ 9,700 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	Rem. 209P	Rem. TGT 12	17.4 gr/ 8,200 PSI	18.7 gr/ 9,100 PSI	19.8 gr/ 9,500 PSI	21.0 gr/10,500 PSI
7/8 oz	Titewad	Rem. 209P	WAA12L	16.9 gr/ 8,200 PSI	18.4 gr/ 9,400 PSI	19.7 gr/ 10,100 PSI	20.3 gr/ 11,300 PSI
7/8 oz	Titewad	Win. 209	CB-4100-12	18.7 gr/ 7,000 PSI	19.8 gr/ 7,800 PSI	20.9 gr/ 8,500 PSI	22.1 gr/ 9,400 PSI
7/8 oz	Titewad	Win. 209	Rem. TGT 12	17.0 gr/ 8,500 PSI	18.0 gr/ 9,900 PSI	19.2 gr/ 10,900 PSI	—
7/8 oz	Titewad	Win. 209	WAA12L	17.3 gr/ 8,300 PSI	18.6 gr/ 9,200 PSI	19.8 gr/ 10,600 PSI	21.1 gr/11,300 PSI
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	CCI 209	Rem. TGT 12	16.1 gr/ 7,900 PSI	17.3 gr/ 9,400 PSI	18.3 gr/ 10,100 PSI	19.6 gr/ 11,200 PSI
7/8 oz	Clays	CCI 209	WAA12L	16.3 gr/ 8,800 PSI	17.3 gr/ 9,900 PSI	18.7 gr/ 11,200 PSI	—
7/8 oz	Clays	CCI 209SC	Rem. TGT 12	18.0 gr/ 7,000 PSI	18.8 gr/ 7,900 PSI	19.5 gr/ 8,900 PSI	20.5 gr/ 9,900 PSI
7/8 oz	Clays	CCI 209SC	WAA12L	16.8 gr/ 7,000 PSI	17.8 gr/ 7,800 PSI	18.6 gr/ 10,000 PSI	19.6 gr/ 11,000 PSI
7/8 oz	Clays	Fed. 209A	Activ TG-30	16.2 gr/ 7,700 PSI	17.5 gr/ 9,200 PSI	18.5 gr/ 10,300 PSI	—
7/8 oz	Clays	Fed. 209A	Fed. 1250	16.3 gr/ 8,900 PSI	17.3 gr/ 9,600 PSI	18.5 gr/ 11,500 PSI	—
7/8 oz	Clays	Fed. 209A	Rem. TGT 12	16.1 gr/ 8,700 PSI	17.3 gr/ 9,800 PSI	18.3 gr/ 11,100 PSI	—
7/8 oz	Clays	Fed. 209A	WAA12L	16.0 gr/ 8,100 PSI	17.0 gr/ 10,200 PSI	18.2 gr/ 10,800 PSI	—
7/8 oz	Clays	Rem. 209P	CB-4100-12	16.9 gr/ 5,800 PSI	18.2 gr/ 6,700 PSI	19.6 gr/ 7,600 PSI	20.9 gr/ 8,400 PSI
7/8 oz	Clays	Rem. 209P	Rem. TGT 12	16.4 gr/ 6,300 PSI	17.5 gr/ 7,100 PSI	18.9 gr/ 7,400 PSI	—
7/8 oz	Clays	Rem. 209P	Fed. 1250	16.0 gr/ 7,500 PSI	17.2 gr/ 8,200 PSI	18.8 gr/ 9,100 PSI	—
7/8 oz	Clays	Rem. 209P	WAA12SL	—	18.0 gr/ 8,400 PSI	19.5 gr/ 10,200 PSI	—
7/8 oz	Clays	Rem. 209P	WAA12L	16.8 gr/ 6,700 PSI	18.0 gr/ 7,300 PSI	19.3 gr/ 9,000 PSI	20.3 gr/ 9,700 PSI
7/8 oz	Clays	Win. 209	CB-4100-12	18.8 gr/ 5,200 PSI	19.8 gr/ 6,100 PSI	20.8 gr/ 7,000 PSI	21.8 gr/ 7,900 PSI
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	Win. 209	Rem. TGT 12	16.8 gr/ 7,500 PSI	18.0 gr/ 8,400 PSI	19.0 gr/ 9,100 PSI	20.0 gr/ 10,100 PSI
7/8 oz	Clays	Win. 209	WAA12SL	15.9 gr/ 7,100 PSI	17.1 gr/ 8,900 PSI	18.2 gr/ 10,000 PSI	—
7/8 oz	Clays	Win. 209	WAA12L	17.1 gr/ 8,100 PSI	18.0 gr/ 8,900 PSI	19.3 gr/ 10,100 PSI	20.1 gr/ 11,400 PSI
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Internat'l	CCI 209	Rem. TGT 12	19.8 gr/ 6,900 PSI	20.8 gr/ 7,800 PSI	21.9 gr/ 8,700 PSI	22.9 gr/ 9,600 PSI
7/8 oz	Internat'l	CCI 209	WAA12L	20.0 gr/ 7,100 PSI	20.9 gr/ 7,900 PSI	21.9 gr/ 8,700 PSI	22.8 gr/ 9,500 PSI
7/8 oz	Internat'l	CCI 209SC	Rem. TGT 12	20.7 gr/ 7,100 PSI	21.0 gr/ 7,700 PSI	22.2 gr/ 8,400 PSI	23.2 gr/ 9,200 PSI
7/8 oz	Internat'l	CCI 209SC	WAA12L	20.0 gr/ 7,100 PSI	21.0 gr/ 8,000 PSI	22.0 gr/ 9,000 PSI	22.9 gr/ 9,900 PSI
7/8 oz	Internat'l	Fed. 209A	Fed. 1250	19.3 gr/ 7,700 PSI	20.4 gr/ 8,700 PSI	21.4 gr/ 9,600 PSI	22.5 gr/ 10,600 PSI
7/8 oz	Internat'l	Fed. 209A	Rem. TGT 12	19.1 gr/ 7,300 PSI	20.2 gr/ 8,200 PSI	21.3 gr/ 9,000 PSI	22.4 gr/ 9,900 PSI
7/8 oz	Internat'l	Fed. 209A	WAA12L	19.4 gr/ 7,200 PSI	20.4 gr/ 8,000 PSI	21.5 gr/ 9,000 PSI	22.6 gr/ 10,000 PSI
7/8 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.0 gr/ 6,600 PSI	21.0 gr/ 7,500 PSI	21.9 gr/ 8,300 PSI	22.9 gr/ 9,200 PSI
7/8 oz	Internat'l	Rem. 209P	WAA12L	20.5 gr/ 6,900 PSI	21.3 gr/ 7,600 PSI	22.2 gr/ 8,400 PSI	23.1 gr/ 9,300 PSI
7/8 oz	Internat'l	Win. 209	Fed. 1250	20.2 gr/ 6,900 PSI	21.2 gr/ 7,800 PSI	22.2 gr/ 8,700 PSI	23.2 gr/ 9,500 PSI
7/8 oz	Internat'l	Win. 209	Rem. TGT 12	20.2 gr/ 6,500 PSI	21.3 gr/ 7,300 PSI	22.3 gr/ 8,100 PSI	23.4 gr/ 8,900 PSI
7/8 oz	Internat'l	Win. 209	WAA12L	20.7 gr/ 6,500 PSI	21.5 gr/ 7,400 PSI	22.3 gr/ 8,200 PSI	23.1 gr/ 9,100 PSI
				1150 fps	1200 fps	1250 fps	1325 fps
24 gm	700-X	Fed. 209A	CB 1100-12	15.0 gr/ 5,900 PSI	16.0 gr/ 6,700 PSI	17.0 gr/ 7,600 PSI	18.5 gr/ 8,900 PSI
24 gm	700-X	Fed. 209A	CB 2100-12	15.0 gr/ 6,100 PSI	16.0 gr/ 6,800 PSI	17.0 gr/ 7,600 PSI	18.5 gr/ 8,600 PSI
24 gm	700-X	Fed. 209A	Fed. 1250	15.0 gr/ 6,600 PSI	16.0 gr/ 7,400 PSI	17.0 gr/ 8,100 PSI	18.5 gr/ 9,200 PSI
24 gm	700-X	Fed. 209A	Rem. TGT12	15.0 gr/ 6,500 PSI	16.0 gr/ 7,400 PSI	17.0 gr/ 8,300 PSI	18.5 gr/ 9,600 PSI
24 gm	700-X	Fed. 209A	WAA12SL	14.5 gr/ 6,500 PSI	15.5 gr/ 7,300 PSI	16.5 gr/ 8,200 PSI	18.5 gr/ 10,000 PSI
24 gm	700-X	Rem. 209P	CB 1100-12	15.5 gr/ 5,500 PSI	16.5 gr/ 6,400 PSI	17.5 gr/ 7,200 PSI	19.0 gr/ 8,400 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1150 fps	1200 fps	1250 fps	1325 fps
24 gm	700-X	Rem. 209P	CB 2100-12	15.0 gr/ 5,700 PSI	16.0 gr/ 6,600 PSI	17.0 gr/ 7,400 PSI	18.5 gr/ 8,600 PSI
24 gm	700-X	Rem. 209P	Fed. 1250	15.0 gr/ 6,100 PSI	16.0 gr/ 7,200 PSI	17.0 gr/ 8,200 PSI	18.5 gr/ 9,800 PSI
24 gm	700-X	Rem. 209P	Rem. TGT12	15.0 gr/ 5,800 PSI	16.0 gr/ 6,600 PSI	17.0 gr/ 7,300 PSI	19.0 gr/ 8,700 PSI
24 gm	700-X	Rem. 209P	WAA12SL	15.0 gr/ 6,400 PSI	16.0 gr/ 7,200 PSI	17.0 gr/ 7,900 PSI	18.5 gr/ 8,900 PSI
24 gm	700-X	Win. 209	CB 1100-12	15.0 gr/ 5,300 PSI	16.0 gr/ 6,300 PSI	17.0 gr/ 7,200 PSI	18.5 gr/ 8,500 PSI
24 gm	700-X	Win. 209	CB 2100-12	15.0 gr/ 5,700 PSI	16.0 gr/ 6,400 PSI	17.0 gr/ 7,200 PSI	18.5 gr/ 8,500 PSI
24 gm	700-X	Win. 209	Fed. 1250	15.0 gr/ 6,300 PSI	16.0 gr/ 7,200 PSI	17.0 gr/ 8,100 PSI	18.5 gr/ 9,400 PSI
24 gm	700-X	Win. 209	Rem. TGT12	15.0 gr/ 6,300 PSI	16.0 gr/ 7,200 PSI	17.0 gr/ 8,000 PSI	18.5 gr/ 9,200 PSI
24 gm	700-X	Win. 209	WAA12SL	15.0 gr/ 6,700 PSI	16.0 gr/ 7,600 PSI	17.0 gr/ 8,400 PSI	18.5 gr/ 9,700 PSI
24 gm	PB	Fed. 209A	CB 1100-12	18.0 gr/ 5,100 PSI	19.5 gr/ 6,100 PSI	20.5 gr/ 6,800 PSI	22.5 gr/ 7,800 PSI
24 gm	PB	Fed. 209A	Fed. 1250	18.0 gr/ 6,300 PSI	19.0 gr/ 6,900 PSI	20.5 gr/ 7,800 PSI	22.0 gr/ 8,700 PSI
24 gm	PB	Fed. 209A	Rem. TGT12	18.0 gr/ 5,500 PSI	19.5 gr/ 6,300 PSI	20.5 gr/ 6,700 PSI	22.5 gr/ 7,800 PSI
24 gm	PB	Fed. 209A	WAA12SL	17.5 gr/ 6,400 PSI	18.5 gr/ 7,100 PSI	20.0 gr/ 8,100 PSI	21.5 gr/ 9,000 PSI
24 gm	PB	Rem. 209P	CB 1100-12	19.5 gr/ 4,300 PSI	21.0 gr/ 5,100 PSI	22.0 gr/ 5,600 PSI	24.0 gr/ 6,400 PSI
24 gm	PB	Rem. 209P	Fed. 1250	19.0 gr/ 5,300 PSI	20.5 gr/ 6,300 PSI	21.5 gr/ 6,800 PSI	23.5 gr/ 7,700 PSI
24 gm	PB	Rem. 209P	Rem. TGT12	19.5 gr/ 4,800 PSI	20.5 gr/ 5,200 PSI	22.0 gr/ 6,000 PSI	23.5 gr/ 6,900 PSI
24 gm	PB	Rem. 209P	WAA12SL	18.5 gr/ 5,400 PSI	19.5 gr/ 6,200 PSI	21.0 gr/ 7,300 PSI	22.5 gr/ 8,000 PSI
24 gm	PB	Win. 209	CB 1100-12	19.0 gr/ 4,700 PSI	20.5 gr/ 5,200 PSI	21.5 gr/ 5,600 PSI	23.5 gr/ 6,400 PSI
24 gm	PB	Win. 209	Fed. 1250	19.0 gr/ 5,400 PSI	20.5 gr/ 6,300 PSI	21.5 gr/ 6,800 PSI	23.5 gr/ 7,700 PSI
24 gm	PB	Win. 209	Rem. TGT12	19.0 gr/ 5,200 PSI	20.0 gr/ 5,700 PSI	21.0 gr/ 6,200 PSI	23.0 gr/ 7,300 PSI
24 gm	PB	Win. 209	WAA12SL	18.0 gr/ 5,600 PSI	19.5 gr/ 6,400 PSI	20.5 gr/ 7,000 PSI	22.5 gr/ 8,100 PSI
24 gm	SR 7625	Fed. 209A	CB 1100-12	21.5 gr/ 4,600 PSI	23.0 gr/ 5,100 PSI	24.0 gr/ 5,600 PSI	26.0 gr/ 6,500 PSI
24 gm	SR 7625	Fed. 209A	Fed. 1250	21.5 gr/ 5,300 PSI	22.5 gr/ 5,700 PSI	24.0 gr/ 6,500 PSI	25.0 gr/ 7,300 PSI
24 gm	SR 7625	Fed. 209A	Rem. FIG. 6	22.0 gr/ 4,700 PSI	23.0 gr/ 5,200 PSI	24.5 gr/ 6,000 PSI	26.0 gr/ 6,800 PSI
24 gm	SR 7625	Fed. 209A	WAA12SL	20.5 gr/ 5,700 PSI	21.5 gr/ 6,200 PSI	23.0 gr/ 6,800 PSI	25.0 gr/ 7,500 PSI
24 gm	SR 7625	Rem. 209P	CB 1100-12	23.5 gr/ 3,200 PSI	25.0 gr/ 3,800 PSI	26.0 gr/ 4,400 PSI	27.5 gr/ 5,300 PSI
24 gm	SR 7625	Rem. 209P	Fed. 1250	21.5 gr/ 4,600 PSI	23.0 gr/ 5,300 PSI	24.0 gr/ 5,800 PSI	26.0 gr/ 6,900 PSI
24 gm	SR 7625	Rem. 209P	Rem. FIG. 6	22.0 gr/ 4,200 PSI	23.5 gr/ 4,900 PSI	24.5 gr/ 5,300 PSI	26.5 gr/ 6,200 PSI
24 gm	SR 7625	Rem. 209P	WAA12SL	21.5 gr/ 4,800 PSI	23.0 gr/ 5,300 PSI	24.5 gr/ 5,800 PSI	26.0 gr/ 6,800 PSI
24 gm	SR 7625	Win. 209	CB 1100-12	23.0 gr/ 3,800 PSI	24.5 gr/ 4,400 PSI	25.5 gr/ 4,900 PSI	27.0 gr/ 5,700 PSI
24 gm	SR 7625	Win. 209	Fed. 1250	22.5 gr/ 4,800 PSI	23.5 gr/ 5,300 PSI	24.5 gr/ 6,000 PSI	26.0 gr/ 6,900 PSI
24 gm	SR 7625	Win. 209	Rem. FIG. 6	22.5 gr/ 4,600 PSI	23.5 gr/ 5,100 PSI	24.5 gr/ 5,600 PSI	26.5 gr/ 6,500 PSI
24 gm	SR 7625	Win. 209	WAA12SL	21.0 gr/ 5,300 PSI	22.0 gr/ 5,900 PSI	23.0 gr/ 6,400 PSI	24.5 gr/ 7,300 PSI
				1050 fps	1100 fps	1150 fps	
7/8 oz	WAALite	Ched. 209	Fed. 1250	12.8 gr/ 6,000 PSI	13.4 gr/ 6,800 PSI	14.5 gr/ 8,200 PSI	
7/8 oz	WAALite	Ched. 209	WAA12SL	12.5 gr/ 6,300 PSI	13.3 gr/ 7,300 PSI	14.3 gr/ 8,500 PSI	
7/8 oz	WAALite	Fed. 209A	Fed. 1250	12.9 gr/ 6,400 PSI	13.9 gr/ 7,400 PSI	14.8 gr/ 8,400 PSI	
7/8 oz	WAALite	Fed. 209A	WAA12SL	12.6 gr/ 6,400 PSI	13.3 gr/ 7,100 PSI	14.5 gr/ 8,300 PSI	
7/8 oz	WAALite	Rem. 209P	Fed. 1250	12.9 gr/ 5,900 PSI	13.7 gr/ 7,200 PSI	14.8 gr/ 8,300 PSI	
7/8 oz	WAALite	Rem. 209P	WAA12SL	12.6 gr/ 5,800 PSI	13.3 gr/ 6,700 PSI	14.5 gr/ 8,100 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1050 fps	1100 fps	1150 fps	
7/8 oz	WAALite	Win. 209	Fed. 12SO	13.4 gr/ 6,000 PSI	14.1 gr/ 6,800 PSI	14.9 gr/ 7,700 PSI	
7/8 oz	WAALite	Win. 209	WAA12SL	12.9 gr/ 5,400 PSI	13.8 gr/ 6,800 PSI	14.8 gr/ 8,200 PSI	
				1325 fps	1400 fps		
7/8 oz	WST	CCI 209	WAA12L	21.5 gr/ 8,100 PSI	23.0 gr/ 9,000 PSI		
7/8 oz	WST	Fed. 209A	WAA12L	21.0 gr/ 8,300 PSI	23.0 gr/ 9,700 PSI		
7/8 oz	WST	Win. 209	WAA12L	21.0 gr/ 8,200 PSI	23.0 gr/ 10,300 PSI		
				1125 fps	1180 fps	1235 fps	1290 fps
1 oz	Titewad	CCI 209	Purple PC	—	17.0 gr/ 8,200 PSI	18.0 gr/ 10,100 PSI	19.0 gr/ 10,500 PSI
1 oz	Titewad	CCI 209	Rem. TGT 12	15.2 gr/ 8,200 PSI	16.4 gr/ 9,100 PSI	17.7 gr/ 10,500 PSI	19.0 gr/ 11,400 PSI
1 oz	Titewad	CCI 209	WAA12L	15.8 gr/ 8,200 PSI	16.8 gr/ 9,000 PSI	17.8 gr/ 10,500 PSI	—
1 oz	Titewad	CCI 209SC	WAA12SL	15.2 gr/ 8,200 PSI	16.2 gr/ 9,700 PSI	17.5 gr/ 10,800 PSI	18.5 gr/ 11,400 PSI
1 oz	Titewad	Fed. 209A	Purple PC	16.2 gr/ 6,500 PSI	17.2 gr/ 7,200 PSI	18.4 gr/ 8,000 PSI	20.0 gr/ 9,800 PSI
1 oz	Titewad	Fed. 209A	Rem. TGT 12	15.5 gr/ 7,500 PSI	16.5 gr/ 8,800 PSI	17.8 gr/ 10,000 PSI	—
1 oz	Titewad	Fed. 209A	WAA12SL	15.8 gr/ 8,000 PSI	17.0 gr/ 8,600 PSI	18.2 gr/ 10,100 PSI	19.4 gr/ 11,000 PSI
1 oz	Titewad	Fio. 616	Windjammer	—	—	18.0 gr/ 9,600 PSI	19.2 gr/ 10,800 PSI
1 oz	Titewad	Rem. 209P	CB-4100-12	15.7 gr/ 6,800 PSI	17.0 gr/ 8,100 PSI	18.2 gr/ 9,300 PSI	19.5 gr/ 10,600 PSI
1 oz	Titewad	Rem. 209P	WAA12SL	15.5 gr/ 7,900 PSI	16.7 gr/ 9,200 PSI	18.0 gr/ 10,000 PSI	19.0 gr/ 11,300 PSI
1 oz	Titewad	Rem. 209P	Rem. TGT 12	—	16.7 gr/ 7,800 PSI	18.2 gr/ 9,600 PSI	19.4 gr/ 11,300 PSI
1 oz	Titewad	Win. 209	CB-4100-12	15.8 gr/ 6,800 PSI	17.1 gr/ 7,900 PSI	18.4 gr/ 9,200 PSI	19.6 gr/ 10,200 PSI
1 oz	Titewad	Win. 209	Purple PC	16.6 gr/ 5,600 PSI	17.7 gr/ 6,900 PSI	19.0 gr/ 8,400 PSI	20.2 gr/ 9,800 PSI
1 oz	Titewad	Win. 209	Rem. TGT 12	15.3 gr/ 7,400 PSI	16.6 gr/ 8,600 PSI	17.9 gr/ 9,800 PSI	19.2 gr/ 11,000 PSI
1 oz	Titewad	Win. 209	WAA12SL	15.5 gr/ 7,900 PSI	16.5 gr/ 8,900 PSI	18.0 gr/ 11,000 PSI	—
1 oz	Clays	CCI 209	Purple PC	17.1 gr/ 6,400 LUP	18.3 gr/ 7,100 LUP	19.5 gr/ 7,700 LUP	20.7 gr/ 8,400 LUP
1 oz	Clays	CCI 209	Rem. TGT 12	15.4 gr/ 8,700 PSI	16.6 gr/ 9,600 PSI	18.2 gr/ 11,400 PSI	—
1 oz	Clays	CCI 209	WAA12SL	15.1 gr/ 8,500 PSI	16.3 gr/ 10,100 PSI	17.5 gr/ 11,200 PSI	—
1 oz	Clays	CCI 209SC	Rem. TGT 12	15.7 gr/ 6,900 LUP	17.8 gr/ 8,100 LUP	18.8 gr/ 9,900 LUP	20.5 gr/ 11,100 LUP
1 oz	Clays	CCI 209SC	WAA12SL	15.8 gr/ 8,300 PSI	16.6 gr/ 10,000 PSI	17.4 gr/ 11,300 PSI	—
1 oz	Clays	Fed. 209A	Purple PC	16.0 gr/ 7,900 PSI	17.0 gr/ 9,100 PSI	18.5 gr/ 10,300 PSI	—
1 oz	Clays	Fed. 209A	WAA12SL	15.6 gr/ 9,200 PSI	16.5 gr/ 10,800 PSI	17.7 gr/ 11,300 PSI	—
1 oz	Clays	Rem. 209P	CB-4100-12	16.7 gr/ 5,800 PSI	18.0 gr/ 7,200 PSI	19.2 gr/ 8,500 PSI	20.4 gr/ 9,800 PSI
1 oz	Clays	Rem. 209P	Purple PC	16.6 gr/ 6,100 PSI	17.8 gr/ 7,400 PSI	19.1 gr/ 8,800 PSI	20.3 gr/ 10,100 PSI
1 oz	Clays	Rem. 209P	Rem. TGT 12	16.8 gr/ 6,600 LUP	17.9 gr/ 7,400 LUP	18.9 gr/ 8,100 LUP	19.9 gr/ 8,800 LUP
1 oz	Clays	Rem. 209P	WAA12SL	16.4 gr/ 6,700 PSI	17.6 gr/ 8,100 PSI	18.7 gr/ 9,400 PSI	19.9 gr/ 10,900 PSI
1 oz	Clays	Win. 209	Purple PC	16.8 gr/ 5,700 PSI	18.1 gr/ 7,000 PSI	19.4 gr/ 8,300 PSI	20.6 gr/ 9,500 PSI
1 oz	Clays	Win. 209	Rem. TGT 12	16.3 gr/ 6,500 PSI	17.6 gr/ 7,900 PSI	18.8 gr/ 9,200 PSI	20.1 gr/ 10,500 PSI
1 oz	Clays	Win. 209	WAA12SL	15.7 gr/ 7,100 LUP	17.0 gr/ 8,200 LUP	18.4 gr/ 9,500 LUP	19.8 gr/ 10,700 LUP
1 oz	Clays	Win. 209	Windjammer	17.3 gr/ 5,500 PSI	18.4 gr/ 7,100 PSI	19.5 gr/ 8,600 PSI	20.6 gr/ 10,200 PSI
				1180 fps	1235 fps	1290fps	1345 fps
1 oz	Internat'l	CCI 209	Rem. TGT 12	19.0 gr/ 6,800 PSI	20.0 gr/ 7,900 PSI	21.0 gr/ 9,000 PSI	22.0 gr/ 10,100 PSI
1 oz	Internat'l	CCI 209	WAA12SL	18.6 gr/ 7,400 PSI	19.8 gr/ 8,500 PSI	21.0 gr/ 9,500 PSI	22.3 gr/ 10,600 PSI
1 oz	Internat'l	CCI 209SC	Purple PC	18.7 gr/ 7,200 PSI	20.0 gr/ 8,100 PSI	21.2 gr/ 9,000 PSI	22.5 gr/ 10,000 PSI
1 oz	Internat'l	CCI 209SC	Rem. TGT 12	19.5 gr/ 6,800 PSI	20.8 gr/ 7,800 PSI	22.2 gr/ 9,300 PSI	22.8 gr/ 10,300 PSI
1 oz	Internat'l	CCI 209SC	WAA12SL	18.7 gr/ 7,200 PSI	19.8 gr/ 8,300 PSI	21.0 gr/ 9,400 PSI	22.2 gr/ 10,600 PSI
1 oz	Internat'l	Fed. 209A	Purple PC	18.4 gr/ 7,100 PSI	19.6 gr/ 8,200 PSI	20.9 gr/ 9,400 PSI	22.2 gr/ 10,600 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1180 fps	1235 fps	1290fps	1345 fps
1 oz	Internat'l	Fed. 209A	Rem. TGT 12	18.2 gr/ 7,900 PSI	19.2 gr/ 9,000 PSI	20.2 gr/ 10,000 PSI	21.3 gr/ 11,100 PSI
1 oz	Internat'l	Fed. 209A	WAA12SL	17.8 gr/ 7,500 PSI	19.0 gr/ 8,800 PSI	20.3 gr/ 10,200 PSI	21.5 gr/ 11,500 PSI
1 oz	Internat'l	Rem. 209P	Purple PC	19.2 gr/ 6,800 PSI	20.5 gr/ 7,900 PSI	21.7 gr/ 8,900 PSI	23.0 gr/ 9,900 PSI
1 oz	Internat'l	Rem. 209P	Rem. TGT 12	20.2 gr/ 6,800 LUP	20.9 gr/ 7,700 LUP	21.4 gr/ 8,900 LUP	—
1 oz	Internat'l	Rem. 209P	WAA12SL	19.0 gr/ 6,800 PSI	20.2 gr/ 8,100 PSI	21.3 gr/ 9,300 PSI	22.4 gr/ 10,500 PSI
1 oz	Internat'l	Win. 209	Purple PC	20.2 gr/ 6,500 PSI	21.3 gr/ 7,500 PSI	22.4 gr/ 8,500 PSI	23.5 gr/ 9,600 PSI
1 oz	Internat'l	Win. 209	Rem. TGT 12	18.9 gr/ 7,100 PSI	20.2 gr/ 8,200 PSI	21.5 gr/ 9,300 PSI	22.8 gr/ 10,300 PSI
1 oz	Internat'l	Win. 209	WAA12SL	18.4 gr/ 7,100 LUP	20.1 gr/ 8,600 LUP	21.0 gr/ 10,000 LUP	—
1 oz	Titigroup	Rem. 209P	Rem. TGT 12	16.1 gr/ 7,900 PSI	17.3 gr/ 8,900 PSI	18.6 gr/ 10,100 PSI	19.9 gr/ 11,200 PSI
1 oz	Titigroup	Rem. 209P	WAA12SL	16.4 gr/ 7,700 PSI	17.6 gr/ 9,100 PSI	18.8 gr/ 10,400 PSI	—
1 oz	Titigroup	Win. 209	Rem. TGT 12	16.0 gr/ 7,700 PSI	17.5 gr/ 8,900 PSI	18.9 gr/ 10,000 PSI	20.3 gr/ 11,000 PSI
1 oz	Titigroup	Win. 209	WAA12SL	16.3 gr/ 8,100 PSI	17.6 gr/ 9,100 PSI	18.9 gr/ 10,200 PSI	20.5 gr/ 11,300 PSI
				1100 fps	1150 fps	1200 fps	1250 fps
1 oz	700-X	Fed. 209A	CB 1100-12	14.5 gr/ 6,600 PSI	16.0 gr/ 7,900 PSI	17.0 gr/ 8,700 PSI	18.0 gr/ 9,600 PSI
1 oz	700-X	Fed. 209A	Fed. 12S3	14.5 gr/ 8,000 PSI	15.5 gr/ 8,900 PSI	17.0 gr/ 10,300 PSI	18.0 gr/ 11,200 PSI
1 oz	700-X	Fed. 209A	Rem. TGT12	14.5 gr/ 7,200 PSI	15.5 gr/ 8,100 PSI	16.5 gr/ 9,100 PSI	17.5 gr/ 10,000 PSI
1 oz	700-X	Fed. 209A	WAA12SL	14.5 gr/ 7,700 PSI	15.5 gr/ 8,600 PSI	16.5 gr/ 9,500 PSI	18.0 gr/ 10,800 PSI
1 oz	700-X	Rem. 209P	CB 1100-12	15.0 gr/ 6,500 PSI	16.0 gr/ 7,200 PSI	17.0 gr/ 8,000 PSI	18.5 gr/ 9,400 PSI
1 oz	700-X	Rem. 209P	Fed. 12S3	14.5 gr/ 7,400 PSI	15.5 gr/ 8,300 PSI	17.0 gr/ 9,700 PSI	18.0 gr/ 10,600 PSI
1 oz	700-X	Rem. 209P	Rem. TGT12	14.5 gr/ 6,600 PSI	15.5 gr/ 7,500 PSI	16.5 gr/ 8,400 PSI	18.0 gr/ 9,500 PSI
1 oz	700-X	Rem. 209P	WAA12SL	14.5 gr/ 7,300 PSI	15.5 gr/ 8,100 PSI	16.5 gr/ 9,000 PSI	18.0 gr/ 10,500 PSI
1 oz	700-X	Win. 209	CB 1100-12	15.0 gr/ 6,300 PSI	16.0 gr/ 7,200 PSI	17.0 gr/ 8,200 PSI	18.0 gr/ 9,200 PSI
1 oz	700-X	Win. 209	Fed. 12S3	14.5 gr/ 7,800 PSI	15.5 gr/ 8,700 PSI	17.0 gr/ 10,100 PSI	18.0 gr/ 11,100 PSI
1 oz	700-X	Win. 209	Rem. TGT12	15.0 gr/ 7,300 PSI	15.5 gr/ 7,700 PSI	16.5 gr/ 8,700 PSI	18.0 gr/ 9,800 PSI
1 oz	700-X	Win. 209	WAA12SL	15.0 gr/ 7,400 PSI	16.0 gr/ 8,300 PSI	17.0 gr/ 9,300 PSI	18.0 gr/ 10,300 PSI
1 oz	PB	Fed. 209A	CB 1100-12	18.5 gr/ 5,700 PSI	20.0 gr/ 6,600 PSI	21.0 gr/ 7,200 PSI	22.5 gr/ 8,000 PSI
1 oz	PB	Fed. 209A	Fed. 12S3	18.0 gr/ 6,500 PSI	19.0 gr/ 7,200 PSI	20.5 gr/ 8,300 PSI	22.0 gr/ 9,300 PSI
1 oz	PB	Fed. 209A	Rem. TGT12	18.5 gr/ 6,200 PSI	19.5 gr/ 6,700 PSI	21.0 gr/ 7,400 PSI	22.5 gr/ 8,200 PSI
1 oz	PB	Fed. 209A	WAA12SL	18.0 gr/ 7,000 PSI	19.0 gr/ 7,500 PSI	20.5 gr/ 8,200 PSI	22.0 gr/ 8,900 PSI
1 oz	PB	Rem. 209P	CB 1100-12	19.5 gr/ 5,100 PSI	20.5 gr/ 5,700 PSI	21.5 gr/ 6,200 PSI	23.0 gr/ 7,200 PSI
1 oz	PB	Rem. 209P	Fed. 12S3	18.5 gr/ 6,100 PSI	20.0 gr/ 7,100 PSI	21.0 gr/ 7,800 PSI	22.5 gr/ 8,500 PSI
1 oz	PB	Rem. 209P	Rem. TGT12	19.0 gr/ 5,700 PSI	20.0 gr/ 6,300 PSI	21.5 gr/ 7,100 PSI	22.5 gr/ 7,600 PSI
1 oz	PB	Rem. 209P	WAA12SL	18.0 gr/ 6,500 PSI	19.5 gr/ 7,200 PSI	20.5 gr/ 7,700 PSI	22.5 gr/ 8,700 PSI
1 oz	PB	Win. 209	CB 1100-12	19.5 gr/ 5,400 PSI	20.5 gr/ 5,900 PSI	21.5 gr/ 6,400 PSI	23.0 gr/ 7,100 PSI
1 oz	PB	Win. 209	Fed. 12S3	19.0 gr/ 6,300 PSI	20.0 gr/ 7,000 PSI	21.0 gr/ 7,700 PSI	22.5 gr/ 8,700 PSI
1 oz	PB	Win. 209	Rem. TGT12	19.0 gr/ 5,700 PSI	20.0 gr/ 6,300 PSI	21.0 gr/ 6,800 PSI	22.5 gr/ 7,700 PSI
1 oz	PB	Win. 209	WAA12	18.5 gr/ 5,900 PSI	19.5 gr/ 6,500 PSI	21.0 gr/ 7,300 PSI	22.5 gr/ 8,100 PSI
1 oz	SR 7625	Fed. 209A	CB 1100-12	20.5 gr/ 5,000 PSI	22.0 gr/ 5,900 PSI	23.0 gr/ 6,500 PSI	24.5 gr/ 7,400 PSI
1 oz	SR 7625	Fed. 209A	Fed. 12S3	20.0 gr/ 6,100 PSI	21.0 gr/ 6,700 PSI	22.5 gr/ 7,600 PSI	23.5 gr/ 8,300 PSI
1 oz	SR 7625	Fed. 209A	Rem. TGT12	20.5 gr/ 5,300 PSI	22.0 gr/ 6,300 PSI	23.0 gr/ 6,900 PSI	24.0 gr/ 7,400 PSI
1 oz	SR 7625	Fed. 209A	WAA12SL	19.0 gr/ 4,200 PSI	20.5 gr/ 5,700 PSI	22.0 gr/ 7,200 PSI	23.5 gr/ 8,500 PSI
1 oz	SR 7625	Rem. 209P	CB 1100-12	22.0 gr/ 4,700 PSI	23.0 gr/ 5,100 PSI	24.0 gr/ 5,500 PSI	25.0 gr/ 5,900 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1100 fps	1150 fps	1200 fps	1250 fps
1 oz	SR 7625	Rem. 209P	Fed. 12S3	20.0 gr/ 6,000 PSI	21.0 gr/ 6,300 PSI	22.5 gr/ 6,900 PSI	24.0 gr/ 7,800 PSI
1 oz	SR 7625	Rem. 209P	Rem. TGT12	21.5 gr/ 5,100 PSI	22.5 gr/ 5,700 PSI	23.5 gr/ 6,200 PSI	25.0 gr/ 7,000 PSI
1 oz	SR 7625	Rem. 209P	WAA12SL	21.0 gr/ 5,800 PSI	22.0 gr/ 6,200 PSI	23.0 gr/ 6,800 PSI	24.5 gr/ 8,100 PSI
1 oz	SR 7625	Win. 209	CB 1100-12	21.0 gr/ 4,600 PSI	22.0 gr/ 5,100 PSI	24.0 gr/ 5,500 PSI	25.5 gr/ 5,900 PSI
1 oz	SR 7625	Win. 209	Fed. 12S3	21.0 gr/ 5,300 PSI	22.0 gr/ 6,000 PSI	23.0 gr/ 6,800 PSI	24.0 gr/ 7,900 PSI
1 oz	SR 7625	Win. 209	Rem. TGT12	21.0 gr/ 5,300 PSI	22.0 gr/ 5,700 PSI	23.0 gr/ 6,300 PSI	24.5 gr/ 7,100 PSI
1 oz	SR 7625	Win. 209	WAA12SL	20.0 gr/ 5,700 PSI	21.5 gr/ 6,100 PSI	23.0 gr/ 6,700 PSI	24.0 gr/ 7,200 PSI
				970 fps	1025 fps	1070 fps	1125 fps
1 oz	WAALite	Ched. 209	J-XL-1	—	12.5 gr/ 7,500 PSI	13.3 gr/ 8,300 PSI	14.3 gr/ 9,400 PSI
1 oz	WAALite	Ched. 209	Rem. TGT12	12.0 gr/ 6,200 PSI	12.9 gr/ 7,100 PSI	13.8 gr/ 8,000 PSI	14.3 gr/ 9,000 PSI
1 oz	WAALite	Ched. 209	WAA12SL	11.9 gr/ 6,400 PSI	12.6 gr/ 7,300 PSI	13.4 gr/ 8,300 PSI	14.3 gr/ 10,000 PSI
1 oz	WAALite	Fed. 209A	J-XL-1	11.9 gr/ 6,200 PSI	13.0 gr/ 7,400 PSI	13.9 gr/ 8,300 PSI	14.3 gr/ 9,300 PSI
1 oz	WAALite	Fed. 209A	Purple PC	—	13.9 gr/ 5,800 PSI	14.4 gr/ 6,600 PSI	15.3 gr/ 7,600 PSI
1 oz	WAALite	Fed. 209A	Rem. TGT12	12.0 gr/ 6,000 PSI	13.0 gr/ 7,100 PSI	13.8 gr/ 8,000 PSI	14.3 gr/ 9,100 PSI
1 oz	WAALite	Fed. 209A	WAA12SL	12.0 gr/ 6,300 PSI	13.0 gr/ 7,500 PSI	13.9 gr/ 8,700 PSI	14.9 gr/ 10,000 PSI
1 oz	WAALite	Rem. 209P	J-XL-1	12.3 gr/ 5,600 PSI	13.2 gr/ 6,900 PSI	13.9 gr/ 7,900 PSI	14.8 gr/ 9,200 PSI
1 oz	WAALite	Rem. 209P	Purple PC	—	13.6 gr/ 6,100 PSI	14.1 gr/ 6,800 PSI	14.9 gr/ 7,800 PSI
1 oz	WAALite	Rem. 209P	Rem. TGT12	12.3 gr/ 5,800 PSI	13.2 gr/ 7,200 PSI	13.9 gr/ 8,200 PSI	14.8 gr/ 9,500 PSI
1 oz	WAALite	Rem. 209P	WAA12SL	12.0 gr/ 5,500 PSI	13.0 gr/ 6,900 PSI	13.8 gr/ 8,100 PSI	14.9 gr/ 9,600 PSI
1 oz	WAALite	Win. 209	J-XL-1	12.3 gr/ 5,600 PSI	13.2 gr/ 6,900 PSI	13.9 gr/ 7,900 PSI	14.7 gr/ 9,000 PSI
1 oz	WAALite	Win. 209	Rem. TGT12	12.4 gr/ 5,700 PSI	13.3 gr/ 6,700 PSI	14.0 gr/ 7,500 PSI	14.9 gr/ 8,500 PSI
1 oz	WAALite	Win. 209	WAA12SL	12.2 gr/ 5,600 PSI	13.2 gr/ 7,000 PSI	13.9 gr/ 7,900 PSI	14.9 gr/ 9,200 PSI
				1180 fps	1235 fps	1290 fps	
1 oz	WST	CCI 209	Fed. 12S0	18.5 gr/ 8,800 PSI	19.5 gr/ 9,500 PSI	20.5 gr/ 10,800 PSI	—
1 oz	WST	CCI 209	WAA12SL	19.0 gr/ 8,000 PSI	20.0 gr/ 8,900 PSI	20.5 gr/ 9,700 PSI	—
1 oz	WST	Win. 209	Fed. 12S0	19.0 gr/ 8,200 PSI	20.0 gr/ 8,900 PSI	21.0 gr/ 9,700 PSI	—
1 oz	WST	Win. 209	WAA12SL	—	19.5 gr/ 8,000 PSI	21.0 gr/ 10,000 PSI	—
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Super Hcp	Ched. 209	J-XL-1	18.1 gr/ 6,800 PSI	19.6 gr/ 8,100 PSI	21.0 gr/ 9,200 PSI	22.5 gr/ 10,400 PSI
1 oz	Super Hcp	Ched. 209	Purple PC	—	20.4 gr/ 7,100 PSI	21.6 gr/ 8,300 PSI	22.9 gr/ 9,500 PSI
1 oz	Super Hcp	Ched. 209	Rem. TGT12	18.5 gr/ 6,700 PSI	20.1 gr/ 7,800 PSI	21.8 gr/ 9,100 PSI	22.8 gr/ 9,900 PSI
1 oz	Super Hcp	Ched. 209	WAA12SL	18.6 gr/ 6,900 PSI	19.9 gr/ 8,000 PSI	21.2 gr/ 9,000 PSI	22.6 gr/ 10,100 PSI
1 oz	Super Hcp	Fed. 209A	J-XL-1	18.0 gr/ 7,300 PSI	19.3 gr/ 8,300 PSI	20.6 gr/ 9,400 PSI	22.0 gr/ 10,500 PSI
1 oz	Super Hcp	Fed. 209A	Purple PC	—	20.2 gr/ 7,300 PSI	21.2 gr/ 8,400 PSI	22.4 gr/ 9,700 PSI
1 oz	Super Hcp	Fed. 209A	Rem. TGT12	18.1 gr/ 7,000 PSI	19.4 gr/ 8,100 PSI	20.8 gr/ 9,300 PSI	22.0 gr/ 10,400 PSI
1 oz	Super Hcp	Fed. 209A	WAA12SL	18.1 gr/ 7,200 PSI	19.3 gr/ 8,300 PSI	20.6 gr/ 9,400 PSI	21.9 gr/ 10,600 PSI
1 oz	Super Hcp	Rem. 209P	J-XL-1	18.4 gr/ 6,700 PSI	19.5 gr/ 7,600 PSI	20.8 gr/ 8,600 PSI	22.3 gr/ 9,900 PSI
1 oz	Super Hcp	Rem. 209P	Purple PC	—	21.5 gr/ 6,800 PSI	22.4 gr/ 7,700 PSI	23.5 gr/ 8,900 PSI
1 oz	Super Hcp	Rem. 209P	Rem. TGT12	18.7 gr/ 6,500 PSI	19.9 gr/ 7,500 PSI	21.0 gr/ 8,400 PSI	22.6 gr/ 9,700 PSI
1 oz	Super Hcp	Rem. 209P	WAA12SL	18.7 gr/ 6,200 PSI	20.0 gr/ 7,400 PSI	21.2 gr/ 8,500 PSI	22.5 gr/ 9,700 PSI
1 oz	Super Hcp	Win. 209	J-XL-1	19.0 gr/ 6,200 PSI	20.3 gr/ 7,500 PSI	21.5 gr/ 8,700 PSI	22.8 gr/ 10,000 PSI
1 oz	Super Hcp	Win. 209	Purple PC	—	21.4 gr/ 6,500 PSI	22.5 gr/ 7,900 PSI	23.5 gr/ 9,200 PSI
1 oz	Super Hcp	Win. 209	Rem. TGT12	20.0 gr/ 6,400 PSI	20.7 gr/ 7,300 PSI	21.7 gr/ 8,500 PSI	22.9 gr/ 9,900 PSI
1 oz	Super Hcp	Win. 209	WAA12SL	19.2 gr/ 6,100 PSI	20.5 gr/ 7,400 PSI	21.7 gr/ 8,600 PSI	23.0 gr/ 9,900 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1090 fps	1145 fps	1200 fps	1255 fps
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.3 gr/ 10,400 PSI	16.2 gr/ 11,000 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	WAA12	15.0 gr/ 10,400 PSI	15.8 gr/ 11,400 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	15.5 gr/ 9,400 PSI	16.5 gr/ 10,500 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Red PC	15.5 gr/ 10,200 PSI	16.0 gr/ 10,800 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Rem. Fig. 8	15.0 gr/ 10,600 PSI	15.8 gr/ 11,300 PSI	—	—
1 1/8 oz	Titewad	CCI 209SC	WAA12	15.0 gr/ 10,100 PSI	15.8 gr/ 11,100 PSI	—	—
1 1/8 oz	Titewad	CCI 209SC	Windjammer	15.0 gr/ 10,000 PSI	16.0 gr/ 11,100 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Red PC	15.5 gr/ 9,200 PSI	16.5 gr/ 9,700 PSI	18.0 gr/ 11,300 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Rem. Fig. 8	15.2 gr/ 9,600 PSI	16.3 gr/ 10,700 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	WAA12	15.2 gr/ 9,800 PSI	16.0 gr/ 10,500 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Windjammer	15.3 gr/ 9,000 PSI	16.3 gr/ 9,500 PSI	17.8 gr/ 11,100 PSI	—
1 1/8 oz	Titewad	Fio. 616	Fio. TL1	15.0 gr/ 10,700 PSI	16.0 gr/ 11,500 PSI	—	—
1 1/8 oz	Titewad	Fio. 616	Rem. Fig. 8	15.0 gr/ 10,000 PSI	16.0 gr/ 11,000 PSI	—	—
1 1/8 oz	Titewad	Fio. 616	WAA12	15.0 gr/ 9,400 PSI	16.0 gr/ 10,600 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	Red PC	15.5 gr/ 8,600 PSI	16.7 gr/ 10,200 PSI	18.0 gr/ 11,300 PSI	—
1 1/8 oz	Titewad	Rem. 209P	Rem. Fig. 8	15.2 gr/ 9,100 PSI	16.5 gr/ 10,100 PSI	17.9 gr/ 10,900 PSI	—
1 1/8 oz	Titewad	Rem. 209P	Trapper	15.0 gr/ 10,200 PSI	16.0 gr/ 11,000 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	WAA12	15.1 gr/ 9,700 PSI	16.1 gr/ 10,900 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	Windjammer	15.3 gr/ 9,000 PSI	16.5 gr/ 10,200 PSI	17.6 gr/ 11,400 PSI	—
1 1/8 oz	Titewad	Win. 209	Fed. 12S3	16.0 gr/ 9,600 PSI	17.0 gr/ 10,900 PSI	—	—
1 1/8 oz	Titewad	Win. 209	Hawk	15.2 gr/ 9,500 PSI	16.3 gr/ 10,700 PSI	—	—
1 1/8 oz	Titewad	Win. 209	Red PC	15.8 gr/ 8,000 PSI	17.1 gr/ 9,500 PSI	18.3 gr/ 10,900 PSI	—
1 1/8 oz	Titewad	Win. 209	Rem. Fig. 8	15.8 gr/ 9,200 PSI	16.8 gr/ 10,400 PSI	17.8 gr/ 11,300 PSI	—
1 1/8 oz	Titewad	Win. 209	Trapper	15.1 gr/ 9,900 PSI	16.3 gr/ 11,200 PSI	—	—
1 1/8 oz	Titewad	Win. 209	WAA12	15.4 gr/ 8,700 PSI	16.7 gr/ 10,000 PSI	17.9 gr/ 11,400 PSI	—
1 1/8 oz	Titewad	Win. 209	Windjammer	16.1 gr/ 9,100 PSI	17.2 gr/ 10,400 PSI	18.5 gr/ 11,500 PSI	—
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.0 gr/ 9,100 PSI	17.2 gr/ 10,400 PSI	—	—
1 1/8 oz	Clays	Ched. 209	WAA12	15.5 gr/ 9,500 PSI	16.4 gr/ 10,600 PSI	—	—
1 1/8 oz	Clays	Ched. 209	Windjammer	15.7 gr/ 8,100 PSI	17.0 gr/ 9,500 PSI	18.3 gr/ 10,800 PSI	—
1 1/8 oz	Clays	CCI 209	Red PC	16.0 gr/ 8,400 PSI	17.4 gr/ 9,800 PSI	18.8 gr/ 11,300 PSI	—
1 1/8 oz	Clays	CCI 209	Rem. Fig. 8	16.8 gr/ 7,400 PSI	18.0 gr/ 9,300 PSI	19.3 gr/ 11,400 PSI	—
1 1/8 oz	Clays	CCI 209	WAA12	15.9 gr/ 8,500 PSI	17.2 gr/ 10,300 PSI	18.2 gr/ 11,500 PSI	—
1 1/8 oz	Clays	CCI 209	Windjammer	16.6 gr/ 6,400 LUP	18.0 gr/ 7,500 LUP	19.4 gr/ 8,600 LUP	—
1 1/8 oz	Clays	CCI 209SC	Red PC	15.7 gr/ 8,700 PSI	17.0 gr/ 10,100 PSI	18.4 gr/ 11,500 PSI	—
1 1/8 oz	Clays	CCI 209SC	Rem. Fig. 8	16.0 gr/ 6,600 PSI	17.0 gr/ 8,100 PSI	18.0 gr/ 8,800 PSI	—
1 1/8 oz	Clays	CCI 209SC	WAA12	16.0 gr/ 9,300 PSI	17.0 gr/ 10,900 PSI	—	—
1 1/8 oz	Clays	CCI 209SC	Windjammer	—	17.6 gr/ 9,900 PSI	18.5 gr/ 11,500 PSI	—
1 1/8 oz	Clays	Fed. 209A	Red PC	15.8 gr/ 8,900 PSI	16.6 gr/ 10,200 PSI	18.0 gr/ 11,300 PSI	—
1 1/8 oz	Clays	Fed. 209A	Rem. Fig. 8	15.8 gr/ 9,500 PSI	16.9 gr/ 10,700 PSI	—	—
1 1/8 oz	Clays	Fed. 209A	WAA12	15.5 gr/ 9,900 PSI	16.6 gr/ 11,200 PSI	—	—
1 1/8 oz	Clays	Fed. 209A	Windjammer	16.2 gr/ 8,500 PSI	17.3 gr/ 10,000 PSI	18.4 gr/ 11,400 PSI	—
1 1/8 oz	Clays	Fio. 616	Rem. Fig. 8	15.8 gr/ 8,600 PSI	17.0 gr/ 10,500 PSI	—	—
1 1/8 oz	Clays	Fio. 616	WAA12	15.8 gr/ 9,100 PSI	16.8 gr/ 10,600 PSI	—	—
1 1/8 oz	Clays	Fio. 616	Windjammer	15.9 gr/ 8,100 PSI	17.2 gr/ 9,500 PSI	18.4 gr/ 10,800 PSI	—
1 1/8 oz	Clays	Rem. 209P	Hawk	15.5 gr/ 9,000 PSI	16.5 gr/ 10,600 PSI	—	—
1 1/8 oz	Clays	Rem. 209P	Red PC	16.5 gr/ 8,200 PSI	17.7 gr/ 9,900 PSI	18.8 gr/ 11,500 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
				1090 fps	1145 fps	1200 fps	1255 fps
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
1 1/8 oz	Clays	Rem. 209P	Rem. Fig 8	16.9 gr/ 6,900 LUP	18.0 gr/ 7,900 LUP	19.2 gr/ 9,000 LUP	—
1 1/8 oz	Clays	Rem. 209P	Trapper	15.9 gr/ 9,400 PSI	17.0 gr/ 11,200 PSI	—	—
1 1/8 oz	Clays	Rem. 209P	WAA12	16.6 gr/ 7,700 LUP	17.7 gr/ 9,000 LUP	18.8 gr/ 10,300 LUP	—
1 1/8 oz	Clays	Rem. 209P	Windjammer	16.3 gr/ 8,100 PSI	17.5 gr/ 9,500 PSI	18.6 gr/ 11,100 PSI	—
1 1/8 oz	Clays	Win. 209	Hawk	15.8 gr/ 8,600 PSI	17.2 gr/ 10,000 PSI	18.6 gr/ 11,500 PSI	—
1 1/8 oz	Clays	Win. 209	Hor Versalite	15.8 gr/ 7,600 LUP	17.2 gr/ 9,100 LUP	18.6 gr/ 10,500 LUP	—
1 1/8 oz	Clays	Win. 209	Lage Uniwad	16.6 gr/ 8,800 PSI	17.7 gr/ 10,300 PSI	—	—
1 1/8 oz	Clays	Win. 209	Red PC	16.5 gr/ 7,800 PSI	17.7 gr/ 9,400 PSI	19.0 gr/ 11,100 PSI	—
1 1/8 oz	Clays	Win. 209	Rem. Fig. 8	16.4 gr/ 8,400 PSI	17.5 gr/ 9,700 PSI	18.6 gr/ 11,000 PSI	—
1 1/8 oz	Clays	Win. 209	Trapper	16.2 gr/ 9,200 PSI	17.3 gr/ 10,500 PSI	—	—
1 1/8 oz	Clays	Win. 209	WAA12	16.2 gr/ 8,100 PSI	17.3 gr/ 9,700 PSI	18.4 gr/ 11,300 PSI	—
1 1/8 oz	Clays	Win. 209	Windjammer	16.8 gr/ 7,700 PSI	18.1 gr/ 9,100 PSI	19.4 gr/ 10,500 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.6 gr/ 7,800 PSI	18.7 gr/ 8,900 PSI	19.8 gr/ 10,100 PSI	21.0 gr/ 11,300 PSI
1 1/8 oz	Internat'l	Ched. 209	WAA12	17.1 gr/ 8,000 PSI	18.3 gr/ 9,200 PSI	19.5 gr/ 10,400 PSI	—
1 1/8 oz	Internat'l	Ched. 209	Windjammer	17.7 gr/ 7,500 PSI	18.8 gr/ 8,600 PSI	19.9 gr/ 9,600 PSI	21.1 gr/ 10,800 PSI
1 1/8 oz	Internat'l	CCI 209	Red PC	17.9 gr/ 6,800 PSI	19.0 gr/ 8,200 PSI	20.1 gr/ 9,600 PSI	21.2 gr/ 11,100 PSI
1 1/8 oz	Internat'l	CCI 209	Rem. Fig. 8	17.8 gr/ 7,400 PSI	19.0 gr/ 8,800 PSI	20.2 gr/ 10,200 PSI	21.3 gr/ 11,400 PSI
1 1/8 oz	Internat'l	CCI 209	WAA12	17.1 gr/ 7,800 PSI	18.3 gr/ 8,900 PSI	19.6 gr/ 10,200 PSI	20.9 gr/ 11,400 PSI
1 1/8 oz	Internat'l	CCI 209	Windjammer	19.2 gr/ 6,100 LUP	19.8 gr/ 6,500 LUP	21.2 gr/ 7,500 LUP	22.3 gr/ 8,300 LUP
1 1/8 oz	Internat'l	CCI 209SC	Red PC	17.6 gr/ 7,800 PSI	18.9 gr/ 9,100 PSI	19.8 gr/ 10,000 PSI	20.8 gr/ 11,000 PSI
1 1/8 oz	Internat'l	CCI 209SC	Rem. Fig. 8	18.0 gr/ 7,200 PSI	19.0 gr/ 7,900 PSI	20.3 gr/ 9,300 PSI	22.0 gr/ 10,300 PSI
1 1/8 oz	Internat'l	CCI 209SC	WAA12	17.1 gr/ 7,900 PSI	18.3 gr/ 9,200 PSI	19.5 gr/ 10,400 PSI	20.8 gr/ 11,500 PSI
1 1/8 oz	Internat'l	CCI 209SC	Windjammer	17.6 gr/ 7,500 PSI	18.8 gr/ 8,600 PSI	20.0 gr/ 9,700 PSI	21.2 gr/ 10,700 PSI
1 1/8 oz	Internat'l	Fed. 209A	Red PC	17.1 gr/ 8,100 PSI	18.3 gr/ 9,200 PSI	19.5 gr/ 10,300 PSI	20.6 gr/ 11,300 PSI
1 1/8 oz	Internat'l	Fed. 209A	Rem. Fig. 8	16.9 gr/ 8,200 PSI	18.0 gr/ 9,300 PSI	19.3 gr/ 10,700 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	WAA12	16.7 gr/ 8,300 PSI	17.9 gr/ 9,600 PSI	19.1 gr/ 10,800 PSI	—
1 1/8 oz	Internat'l	Fed. 209A	Windjammer	16.9 gr/ 7,600 PSI	18.2 gr/ 8,900 PSI	19.6 gr/ 10,200 PSI	20.9 gr/ 11,400 PSI
1 1/8 oz	Internat'l	Fio. 616	Rem. Fig. 8	17.3 gr/ 7,900 PSI	18.5 gr/ 9,000 PSI	19.7 gr/ 10,100 PSI	20.9 gr/ 11,300 PSI
1 1/8 oz	Internat'l	Fio. 616	WAA12	17.2 gr/ 8,300 PSI	18.3 gr/ 9,500 PSI	19.4 gr/ 10,700 PSI	—
1 1/8 oz	Internat'l	Fio. 616	Windjammer	17.3 gr/ 6,900 PSI	18.7 gr/ 8,400 PSI	20.0 gr/ 9,800 PSI	21.4 gr/ 11,200 PSI
1 1/8 oz	Internat'l	Rem. 209P	Fed. 12S3	17.6 gr/ 6,900 LUP	18.3 gr/ 7,800 LUP	19.4 gr/ 9,000 LUP	20.6 gr/ 10,200 LUP
1 1/8 oz	Internat'l	Rem. 209P	Hawk	17.5 gr/ 7,700 PSI	18.7 gr/ 8,900 PSI	19.9 gr/ 10,200 PSI	21.0 gr/ 11,300 PSI
1 1/8 oz	Internat'l	Rem. 209P	Hor. Vers.	17.2 gr/ 7,700 PSI	18.4 gr/ 8,900 PSI	19.6 gr/ 10,100 PSI	20.8 gr/ 11,300 PSI
1 1/8 oz	Internat'l	Rem. 209P	Red PC	17.6 gr/ 7,300 PSI	18.9 gr/ 8,600 PSI	20.2 gr/ 9,900 PSI	21.4 gr/ 11,100 PSI
1 1/8 oz	Internat'l	Rem. 209P	Rem. Fig. 8	18.6 gr/ 6,400 LUP	19.6 gr/ 7,000 LUP	20.9 gr/ 7,500 LUP	21.7 gr/ 9,100 LUP
1 1/8 oz	Internat'l	Rem. 209P	Trapper	17.3 gr/ 8,400 PSI	18.4 gr/ 9,200 PSI	19.8 gr/ 10,300 PSI	21.2 gr/ 11,400 PSI
1 1/8 oz	Internat'l	Rem. 209P	WAA12	18.3 gr/ 7,000 LUP	18.8 gr/ 7,600 LUP	19.7 gr/ 8,700 LUP	20.9 gr/ 10,400 LUP
1 1/8 oz	Internat'l	Rem. 209P	Windjammer	—	19.2 gr/ 8,400 PSI	20.3 gr/ 9,400 PSI	21.5 gr/ 10,500 PSI
1 1/8 oz	Internat'l	Win. 209	Hawk	17.7 gr/ 7,700 PSI	18.9 gr/ 9,000 PSI	20.0 gr/ 10,200 PSI	21.5 gr/ 11,500 PSI
1 1/8 oz	Internat'l	Win. 209	Hor. Versalite	17.8 gr/ 6,900 LUP	18.4 gr/ 7,800 LUP	19.5 gr/ 9,100 LUP	20.6 gr/ 10,400 LUP
1 1/8 oz	Internat'l	Win. 209	Lage Uniwad	17.7 gr/ 7,400 PSI	19.0 gr/ 8,600 PSI	20.3 gr/ 9,900 PSI	21.6 gr/ 11,100 PSI
1 1/8 oz	Internat'l	Win. 209	Red PC	17.7 gr/ 7,600 PSI	19.0 gr/ 8,600 PSI	20.3 gr/ 9,600 PSI	21.5 gr/ 10,500 PSI
1 1/8 oz	Internat'l	Win. 209	Rem. Fig. 8	17.5 gr/ 7,900 PSI	18.6 gr/ 9,000 PSI	19.7 gr/ 10,200 PSI	20.8 gr/ 11,300 PSI
1 1/8 oz	Internat'l	Win. 209	Trapper	17.0 gr/ 7,900 PSI	18.5 gr/ 9,100 PSI	19.9 gr/ 10,100 PSI	21.3 gr/ 11,500 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
				1090 fps	1145 fps	1200 fps	1255 fps
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
1 1/8 oz	Internat'l	Win. 209	WAA12	17.0 gr/ 7,100 PSI	18.4 gr/ 8,600 PSI	19.8 gr/ 10,100 PSI	21.1 gr/ 11,500 PSI
1 1/8 oz	Internat'l	Win. 209	Windjammer	19.4 gr/ 8,200 PSI	20.1 gr/ 8,900 PSI	22.1 gr/ 10,300 PSI	—
1 1/8 oz	Titegroup	Rem. 209P	Rem. Fig. 8	14.9 gr/ 8,200 PSI	16.0 gr/ 9,100 PSI	17.1 gr/ 10,000 PSI	18.5 gr/ 11,500 PSI
1 1/8 oz	Titegroup	Rem. 209P	WAA12	14.9 gr/ 8,000 PSI	15.8 gr/ 9,200 PSI	16.7 gr/ 10,300 PSI	—
1 1/8 oz	Titegroup	Win. 209	Rem. Fig. 8	15.1 gr/ 8,000 PSI	16.1 gr/ 8,900 PSI	17.1 gr/ 9,900 PSI	—
1 1/8 oz	Titegroup	Win. 209	WAA12	14.7 gr/ 8,300 PSI	15.8 gr/ 9,400 PSI	16.8 gr/ 10,500 PSI	—
1200 fps 1255 fps 1310 fps							
1 1/8 oz	Universal	CCI 209	Windjammer	23.2 gr/ 8,400 PSI	24.4 gr/ 9,100 PSI	25.7 gr/ 10,200 PSI	—
1 1/8 oz	Universal	Fed. 209A	Fed. 12S3	21.7 gr/ 10,200 PSI	22.7 gr/ 11,000 PSI	—	—
1 1/8 oz	Universal	Win. 209	Rem. Fig. 8	22.5 gr/ 8,900 PSI	23.7 gr/ 9,900 PSI	25.0 gr/ 10,800 PSI	—
1 1/8 oz	Universal	Win. 209	WAA12	21.5 gr/ 9,800 PSI	23.0 gr/ 10,700 PSI	—	—
1420 fps 1475 fps 1530 fps 1585 fps							
1 1/8 oz	Longshot	CCI 209M	Fed. 12S3	30.6 gr/ 10,000 PSI	31.9 gr/ 11,000 PSI	—	—
1 1/8 oz	Longshot	CCI 209M	Hor. Vers.	31.7 gr/ 9,000 PSI	32.9 gr/ 9,900 PSI	34.1 gr/ 10,900 PSI	—
1 1/8 oz	Longshot	CCI 209M	Rem. R12L	31.0 gr/ 9,600 PSI	32.7 gr/ 10,400 PSI	34.5 gr/ 11,400 PSI	—
1 1/8 oz	Longshot	CCI 209M	WAA12	30.9 gr/ 9,800 PSI	32.3 gr/ 10,600 PSI	33.6 gr/ 11,400 PSI	—
1 1/8 oz	Longshot	CCI 209M	Windjammer	31.7 gr/ 9,000 PSI	33.3 gr/ 9,800 PSI	34.8 gr/ 10,600 PSI	36.4 gr/ 11,500 PSI
1 1/8 oz	Longshot	Fed. 209A	Fed. 12S3	29.4 gr/ 10,700 PSI	31.1 gr/ 11,600 PSI	—	—
1 1/8 oz	Longshot	Fed. 209A	Rem. R12L	29.8 gr/ 10,200 PSI	31.2 gr/ 11,100 PSI	—	—
1 1/8 oz	Longshot	Fed. 209A	WAA12	29.4 gr/ 10,900 PSI	—	—	—
1 1/8 oz	Longshot	Fed. 209A	Windjammer	30.6 gr/ 9,300 PSI	32.1 gr/ 10,300 PSI	33.6 gr/ 11,300 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Hor. Vers.	31.0 gr/ 9,100 PSI	32.4 gr/ 10,000 PSI	33.7 gr/ 10,900 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Rem. R12L	31.1 gr/ 9,400 PSI	32.5 gr/ 10,400 PSI	33.9 gr/ 11,400 PSI	—
1 1/8 oz	Longshot	Rem. 209P	WAA12	30.6 gr/ 9,300 PSI	31.7 gr/ 10,400 PSI	32.7 gr/ 11,500 PSI	—
1 1/8 oz	Longshot	Rem. 209P	Windjammer	32.0 gr/ 8,600 PSI	33.5 gr/ 9,700 PSI	35.0 gr/ 10,900 PSI	—
1 1/8 oz	Longshot	Win. 209	Fed. 12S3	31.9 gr/ 8,500 PSI	33.0 gr/ 9,800 PSI	34.2 gr/ 11,100 PSI	—
1 1/8 oz	Longshot	Win. 209	Rem. R12L	31.5 gr/ 8,800 PSI	32.0 gr/ 10,100 PSI	34.5 gr/ 11,400 PSI	—
1 1/8 oz	Longshot	Win. 209	WAA12	31.7 gr/ 9,100 PSI	32.8 gr/ 10,100 PSI	33.5 gr/ 11,200 PSI	—
1 1/8 oz	Longshot	Win. 209	Windjammer	33.4 gr/ 7,700 PSI	34.3 gr/ 8,800 PSI	35.3 gr/ 10,000 PSI	36.3 gr/ 11,100 PSI
1100 fps 1150 fps 1200 fps 1250 fps							
1 1/8 oz	700-X	Fed. 209A	CB 1118-12	15.5 gr/ 8,500 PSI	16.5 gr/ 9,700 PSI	17.5 gr/ 10,800 PSI	—
1 1/8 oz	700-X	Fed. 209A	Fed. 12S3	15.0 gr/ 9,300 PSI	16.0 gr/ 10,200 PSI	17.5 gr/ 11,500 PSI	—
1 1/8 oz	700-X	Fed. 209A	Rem. FIG. 8	15.5 gr/ 8,900 PSI	16.5 gr/ 10,000 PSI	17.5 gr/ 11,000 PSI	—
1 1/8 oz	700-X	Fed. 209A	WAA12	15.0 gr/ 9,500 PSI	16.5 gr/ 10,900 PSI	—	—
1 1/8 oz	700-X	Fed. 209A	Windjammer	15.5 gr/ 8,400 PSI	16.5 gr/ 9,500 PSI	17.5 gr/ 10,400 PSI	18.5 gr/ 11,100 PSI
1 1/8 oz	700-X	Rem. 209P	CB 1118-12	15.5 gr/ 8,000 PSI	16.5 gr/ 8,900 PSI	17.5 gr/ 9,800 PSI	19.0 gr/ 11,100 PSI
1 1/8 oz	700-X	Rem. 209P	Fed. 12S3	15.0 gr/ 8,900 PSI	16.5 gr/ 10,200 PSI	17.5 gr/ 11,100 PSI	—
1 1/8 oz	700-X	Rem. 209P	Rem. FIG. 8	15.5 gr/ 8,100 PSI	16.5 gr/ 9,000 PSI	18.0 gr/ 10,400 PSI	19.0 gr/ 11,300 PSI
1 1/8 oz	700-X	Rem. 209P	WAA12	15.0 gr/ 8,500 PSI	16.0 gr/ 9,600 PSI	17.5 gr/ 11,200 PSI	—
1 1/8 oz	700-X	Rem. 209P	Windjammer	15.5 gr/ 7,600 PSI	16.5 gr/ 8,400 PSI	18.0 gr/ 9,600 PSI	19.0 gr/ 10,500 PSI
1 1/8 oz	700-X	Win. 209	CB 1118-12	15.5 gr/ 7,700 PSI	16.5 gr/ 8,700 PSI	17.5 gr/ 9,800 PSI	19.0 gr/ 11,400 PSI
1 1/8 oz	700-X	Win. 209	Fed. 12S3	15.5 gr/ 9,000 PSI	16.5 gr/ 9,800 PSI	17.5 gr/ 10,900 PSI	—
1 1/8 oz	700-X	Win. 209	Rem. FIG. 8	15.5 gr/ 8,500 PSI	16.5 gr/ 9,400 PSI	18.0 gr/ 10,800 PSI	—
1 1/8 oz	700-X	Win. 209	WAA12	15.5 gr/ 9,300 PSI	16.5 gr/ 10,200 PSI	17.5 gr/ 11,200 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1100 fps	1150 fps	1200 fps	1250 fps
1 1/8 oz	700-X	Win. 209	Windjammer	15.5 gr/ 8,000 PSI	16.5 gr/ 8,900 PSI	17.5 gr/ 9,800 PSI	19.0 gr/11,100 PSI
1 1/8 oz	PB	Fed. 209A	CB 1118-12	19.0 gr/ 7,300 PSI	20.5 gr/ 7,900 PSI	22.0 gr/ 8,700 PSI	23.5 gr/ 9,500 PSI
1 1/8 oz	PB	Fed. 209A	Fed. 12S4	18.5 gr/ 8,400 PSI	19.5 gr/ 8,800 PSI	21.0 gr/ 9,600 PSI	23.0 gr/10,900 PSI
1 1/8 oz	PB	Fed. 209A	Rem. FIG. 8	19.5 gr/ 7,500 PSI	20.5 gr/ 8,100 PSI	22.0 gr/ 8,900 PSI	23.5 gr/ 9,600 PSI
1 1/8 oz	PB	Fed. 209A	WAA12	18.5 gr/ 8,200 PSI	20.0 gr/ 9,200 PSI	21.0 gr/ 9,900 PSI	23.0 gr/11,000 PSI
1 1/8 oz	PB	Fed. 209A	Windjammer	19.5 gr/ 6,800 PSI	20.5 gr/ 7,500 PSI	22.0 gr/ 8,500 PSI	23.5 gr/ 9,500 PSI
1 1/8 oz	PB	Rem. 209P	CB 1118-12	19.5 gr/ 6,400 PSI	21.0 gr/ 7,400 PSI	22.5 gr/ 8,000 PSI	24.0 gr/ 8,600 PSI
1 1/8 oz	PB	Rem. 209P	Fed. 12S4	19.0 gr/ 7,700 PSI	20.0 gr/ 8,400 PSI	21.5 gr/ 9,300 PSI	23.0 gr/10,000 PSI
1 1/8 oz	PB	Rem. 209P	Rem. FIG. 8	20.0 gr/ 6,800 PSI	21.5 gr/ 7,500 PSI	23.0 gr/ 8,400 PSI	24.5 gr/ 9,300 PSI
1 1/8 oz	PB	Rem. 209P	WAA12	19.5 gr/ 7,300 PSI	20.5 gr/ 8,000 PSI	22.0 gr/ 8,700 PSI	23.5 gr/ 9,500 PSI
1 1/8 oz	PB	Rem. 209P	Windjammer	20.0 gr/ 6,300 PSI	21.0 gr/ 6,900 PSI	22.5 gr/ 7,900 PSI	24.0 gr/ 8,900 PSI
1 1/8 oz	PB	Win. 209	CB 1118-12	20.0 gr/ 6,700 PSI	21.0 gr/ 7,200 PSI	22.5 gr/ 8,000 PSI	24.0 gr/ 8,800 PSI
1 1/8 oz	PB	Win. 209	Fed. 12S4	19.0 gr/ 7,700 PSI	20.5 gr/ 8,500 PSI	21.5 gr/ 9,100 PSI	23.5 gr/10,400 PSI
1 1/8 oz	PB	Win. 209	Rem. FIG. 8	19.5 gr/ 6,900 PSI	21.0 gr/ 7,900 PSI	22.0 gr/ 8,400 PSI	23.5 gr/ 9,300 PSI
1 1/8 oz	PB	Win. 209	WAA12	19.0 gr/ 7,700 PSI	20.0 gr/ 8,400 PSI	22.0 gr/ 9,400 PSI	23.5 gr/10,200 PSI
1 1/8 oz	PB	Win. 209	Windjammer	20.0 gr/ 6,700 PSI	21.0 gr/ 7,300 PSI	22.5 gr/ 8,200 PSI	24.0 gr/ 9,100 PSI
1 1/8 oz	SR 7625	Fed. 209A	CB 1118-12	20.0 gr/ 6,900 PSI	21.5 gr/ 7,900 PSI	22.5 gr/ 8,400 PSI	24.0 gr/ 9,200 PSI
1 1/8 oz	SR 7625	Fed. 209A	Fed. 12S3	20.0 gr/ 7,300 PSI	21.0 gr/ 8,100 PSI	22.5 gr/ 9,100 PSI	24.0 gr/10,000 PSI
1 1/8 oz	SR 7625	Fed. 209A	Rem. RXP12	20.5 gr/ 7,200 PSI	22.0 gr/ 8,000 PSI	23.0 gr/ 8,600 PSI	24.5 gr/ 9,400 PSI
1 1/8 oz	SR 7625	Fed. 209A	WAA12	19.5 gr/ 7,900 PSI	20.5 gr/ 8,500 PSI	22.0 gr/ 9,700 PSI	23.0 gr/10,500 PSI
1 1/8 oz	SR 7625	Fed. 209A	Windjammer	21.0 gr/ 6,500 PSI	22.0 gr/ 7,200 PSI	23.5 gr/ 7,800 PSI	25.0 gr/ 8,400 PSI
1 1/8 oz	SR 7625	Rem. 209P	CB 1118-12	20.5 gr/ 6,400 PSI	22.0 gr/ 7,400 PSI	23.0 gr/ 8,000 PSI	24.5 gr/ 8,800 PSI
1 1/8 oz	SR 7625	Rem. 209P	Fed. 12S3	21.0 gr/ 7,200 PSI	22.0 gr/ 7,800 PSI	23.5 gr/ 8,700 PSI	24.5 gr/ 9,500 PSI
1 1/8 oz	SR 7625	Rem. 209P	Rem. RXP12	21.0 gr/ 6,500 PSI	22.5 gr/ 7,400 PSI	24.0 gr/ 8,200 PSI	25.5 gr/ 9,000 PSI
1 1/8 oz	SR 7625	Rem. 209P	WAA12	20.0 gr/ 7,100 PSI	21.5 gr/ 8,000 PSI	23.0 gr/ 8,700 PSI	24.5 gr/ 9,400 PSI
1 1/8 oz	SR 7625	Rem. 209P	Windjammer	21.5 gr/ 6,000 PSI	23.0 gr/ 6,700 PSI	24.0 gr/ 7,300 PSI	25.5 gr/ 8,400 PSI
1 1/8 oz	SR 7625	Win. 209	CB 1118-12	21.0 gr/ 6,200 PSI	22.5 gr/ 7,200 PSI	23.0 gr/ 7,600 PSI	24.5 gr/ 8,600 PSI
1 1/8 oz	SR 7625	Win. 209	Fed. 12S3	20.5 gr/ 6,700 PSI	22.0 gr/ 7,800 PSI	23.5 gr/ 8,800 PSI	24.5 gr/ 9,600 PSI
1 1/8 oz	SR 7625	Win. 209	Rem. RXP12	21.0 gr/ 6,200 PSI	22.5 gr/ 7,400 PSI	23.5 gr/ 7,900 PSI	25.0 gr/ 8,800 PSI
1 1/8 oz	SR 7625	Win. 209	WAA12	20.5 gr/ 7,000 PSI	22.0 gr/ 7,900 PSI	23.0 gr/ 8,600 PSI	24.5 gr/ 9,500 PSI
1 1/8 oz	SR 7625	Win. 209	Windjammer	21.5 gr/ 5,900 PSI	22.5 gr/ 6,500 PSI	24.0 gr/ 7,700 PSI	25.0 gr/ 8,500 PSI
1 1/8 oz	800-X	CCI 209	CB 1118-12	19.5 gr/ 6,200 PSI	21.0 gr/ 7,000 PSI	22.0 gr/ 7,500 PSI	23.5 gr/ 8,400 PSI
1 1/8 oz	800-X	CCI 209	Fed. 12S3	19.5 gr/ 7,000 PSI	20.5 gr/ 7,600 PSI	22.0 gr/ 8,500 PSI	23.5 gr/ 9,400 PSI
1 1/8 oz	800-X	CCI 209	Rem. FIG. 8	19.5 gr/ 6,500 PSI	21.0 gr/ 7,200 PSI	22.0 gr/ 7,600 PSI	24.0 gr/ 8,700 PSI
1 1/8 oz	800-X	CCI 209	WAA12	19.5 gr/ 6,900 PSI	20.5 gr/ 7,500 PSI	21.5 gr/ 8,200 PSI	23.0 gr/ 9,100 PSI
1 1/8 oz	800-X	CCI 209	Windjammer	20.0 gr/ 6,000 PSI	21.0 gr/ 6,700 PSI	22.0 gr/ 7,300 PSI	23.5 gr/ 8,200 PSI
1 1/8 oz	800-X	Fed. 209A	CB 1118-12	19.5 gr/ 6,800 PSI	20.5 gr/ 7,500 PSI	21.5 gr/ 8,200 PSI	23.0 gr/ 9,000 PSI
1 1/8 oz	800-X	Fed. 209A	Fed. 12S3	19.0 gr/ 7,300 PSI	20.0 gr/ 8,000 PSI	21.5 gr/ 9,000 PSI	23.0 gr/ 9,900 PSI
1 1/8 oz	800-X	Fed. 209A	Rem. FIG. 8	19.5 gr/ 6,900 PSI	20.5 gr/ 7,500 PSI	22.0 gr/ 8,400 PSI	23.5 gr/ 9,200 PSI
1 1/8 oz	800-X	Fed. 209A	WAA12	19.0 gr/ 7,200 PSI	20.0 gr/ 8,000 PSI	21.0 gr/ 8,700 PSI	22.5 gr/ 9,700 PSI
1 1/8 oz	800-X	Fed. 209A	Windjammer	20.0 gr/ 6,500 PSI	21.0 gr/ 7,200 PSI	22.0 gr/ 7,900 PSI	23.0 gr/ 8,600 PSI
1 1/8 oz	800-X	Win. 209	CB 1118-12	19.5 gr/ 6,500 PSI	20.5 gr/ 7,200 PSI	21.5 gr/ 7,800 PSI	23.0 gr/ 8,700 PSI
1 1/8 oz	800-X	Win. 209	Fed. 12S3	19.0 gr/ 6,800 PSI	20.0 gr/ 7,500 PSI	21.5 gr/ 8,500 PSI	23.0 gr/ 9,600 PSI
1 1/8 oz	800-X	Win. 209	Rem. FIG. 8	19.5 gr/ 6,500 PSI	20.5 gr/ 7,200 PSI	22.0 gr/ 8,100 PSI	23.5 gr/ 8,900 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1100 fps	1150 fps	1200 fps	1250 fps
1 1/8 oz	800-X	Win. 209	WAA12	19.0 gr/ 6,900 PSI	20.0 gr/ 7,800 PSI	21.0 gr/ 8,600 PSI	22.5 gr/ 9,600 PSI
1 1/8 oz	800-X	Win. 209	Windjammer	20.0 gr/ 6,200 PSI	21.0 gr/ 6,900 PSI	22.0 gr/ 7,500 PSI	23.5 gr/ 8,400 PSI
				980 fps	1035 fps	1090 fps	1145 fps
1 1/8 oz	WAA12	Ched. 209	Rem. FIG. 8	12.8 gr/ 8,200 PSI	13.9 gr/ 9,500 PSI	14.9 gr/ 10,800 PSI	--
1 1/8 oz	WAA12	Ched. 209	WAA12	12.5 gr/ 8,200 PSI	13.6 gr/ 10,300 PSI	14.7 gr/ 11,500 PSI	--
1 1/8 oz	WAA12	Ched. 209	WJ-12-RPL	12.8 gr/ 7,400 PSI	13.9 gr/ 8,600 PSI	15.2 gr/ 10,000 PSI	16.1 gr/11,000 PSI
1 1/8 oz	WAA12	Fed. 209A	Rem. FIG. 8	12.9 gr/ 7,900 PSI	13.8 gr/ 9,300 PSI	14.8 gr/ 10,800 PSI	--
1 1/8 oz	WAA12	Fed. 209A	WAA12	13.1 gr/ 8,400 PSI	13.9 gr/ 9,500 PSI	14.8 gr/ 10,800 PSI	--
1 1/8 oz	WAA12	Fed. 209A	WJ-12-RPL	12.8 gr/ 7,600 PSI	13.7 gr/ 8,700 PSI	14.6 gr/ 9,800 PSI	15.5 gr/10,900 PSI
1 1/8 oz	WAA12	Rem. 209P	Rem. FIG. 8	12.9 gr/ 8,100 PSI	13.9 gr/ 9,500 PSI	14.9 gr/ 10,900 PSI	--
1 1/8 oz	WAA12	Rem. 209P	WAA12	12.7 gr/ 8,000 PSI	13.7 gr/ 9,500 PSI	14.8 gr/ 11,100 PSI	--
1 1/8 oz	WAA12	Rem. 209P	WJ-12-RPL	13.2 gr/ 7,300 PSI	14.2 gr/ 8,700 PSI	15.1 gr/ 9,700 PSI	16.0 gr/11,000 PSI
1 1/8 oz	WAA12	Win. 209	Rem. FIG. 8	13.0 gr/ 7,500 PSI	14.0 gr/ 8,900 PSI	15.0 gr/ 10,200 PSI	15.6 gr/11,500 PSI
1 1/8 oz	WAA12	Win. 209	WAA12	12.9 gr/ 7,600 PSI	13.9 gr/ 9,400 PSI	14.7 gr/ 10,800 PSI	--
1 1/8 oz	WAA12	Win. 209	WJ-12-RPL	13.0 gr/ 7,100 PSI	14.0 gr/ 8,300 PSI	15.2 gr/ 9,700 PSI	16.0 gr/10,900 PSI
				1145 fps	1310 fps	1365 fps	1400 fps
1 1/8 oz	WST	CCI 209	Rem. FIG. 8	18.5 gr/10,200 PSI	--	--	--
1 1/8 oz	WST	CCI 209	Rem. RXP12	18.5 gr/10,800 PSI	--	--	--
1 1/8 oz	WST	CCI 209	WAA12	18.0 gr/10,800 PSI	--	--	--
1 1/8 oz	WST	Win. 209	Rem. FIG. 8	19.0 gr/10,400 PSI	--	--	--
1 1/8 oz	WST	Win. 209	Rem. RXP12	19.0 gr/10,500 PSI	--	--	--
				1145 fps	1200 fps	1255 fps	1310 fps
1 1/8 oz	Super Hcp	Ched. 209	DRV-12	18.0 gr/ 8,500 PSI	19.4 gr/ 10,000 PSI	20.8 gr/ 11,500 PSI	--
1 1/8 oz	Super Hcp	Ched. 209	Rem. FIG. 8	17.8 gr/ 8,400 PSI	19.3 gr/ 9,800 PSI	20.9 gr/ 11,400 PSI	--
1 1/8 oz	Super Hcp	Ched. 209	WAA12	17.9 gr/ 8,300 PSI	19.3 gr/ 9,800 PSI	20.8 gr/ 11,300 PSI	--
1 1/8 oz	Super Hcp	Ched. 209	WJ-12-RPL	18.0 gr/ 7,200 PSI	19.5 gr/ 8,400 PSI	21.1 gr/ 9,900 PSI	22.8 gr/11,400 PSI
1 1/8 oz	Super Hcp	Fed. 209A	DRV-12	17.8 gr/ 9,200 PSI	19.3 gr/ 10,600 PSI	--	--
1 1/8 oz	Super Hcp	Fed. 209A	Rem. FIG. 8	17.6 gr/ 8,600 PSI	19.1 gr/ 10,200 PSI	--	--
1 1/8 oz	Super Hcp	Fed. 209A	WAA12	17.4 gr/ 8,800 PSI	19.2 gr/ 10,300 PSI	--	--
1 1/8 oz	Super Hcp	Fed. 209A	WJ-12-RPL	18.0 gr/ 7,500 PSI	19.3 gr/ 8,600 PSI	20.6 gr/ 9,900 PSI	21.8 gr/11,100 PSI
1 1/8 oz	Super Hcp	Rem. 209P	DRV-12	18.3 gr/ 8,700 PSI	19.6 gr/ 10,000 PSI	20.9 gr/ 11,200 PSI	--
1 1/8 oz	Super Hcp	Rem. 209P	Rem. FIG. 8	18.4 gr/ 8,400 PSI	19.6 gr/ 9,700 PSI	20.9 gr/ 11,100 PSI	--
1 1/8 oz	Super Hcp	Rem. 209P	WAA12	18.5 gr/ 8,700 PSI	19.8 gr/ 10,000 PSI	21.0 gr/ 11,400 PSI	--
1 1/8 oz	Super Hcp	Rem. 209P	WJ-12-RPL	18.0 gr/ 6,800 PSI	19.8 gr/ 8,100 PSI	21.5 gr/ 9,400 PSI	23.0 gr/10,500 PSI
1 1/8 oz	Super Hcp	Win. 209	DRV-12	18.5 gr/ 8,600 PSI	19.8 gr/ 10,000 PSI	21.0 gr/ 11,300 PSI	--
1 1/8 oz	Super Hcp	Win. 209	Rem. FIG. 8	18.2 gr/ 8,200 PSI	19.6 gr/ 9,700 PSI	20.9 gr/ 11,100 PSI	--
1 1/8 oz	Super Hcp	Win. 209	WAA12	18.4 gr/ 8,100 PSI	19.7 gr/ 9,600 PSI	21.0 gr/ 11,200 PSI	--
1 1/8 oz	Super Hcp	Win. 209	WJ-12-RPL	18.0 gr/ 6,700 PSI	19.8 gr/ 8,100 PSI	21.5 gr/ 9,500 PSI	23.0 gr/11,100 PSI
				1145 fps	1310 fps	1365 fps	1400 fps
1 1/8 oz	WSF	Win. 209	Fed. 12S3	--	--	28.0 gr/ 8,900 PSI	29.0 gr/ 9,500 PSI
1 1/8 oz	WSF	Win. 209	WAA12	--	27.0 gr/ 9,700 PSI	28.5 gr/ 10,700 PSI	--
				1220 fps	1330 fps		
1 1/4 oz	Universal	CCI 209	Rem. SP12	23.7 gr/ 9,200 PSI	--		
1 1/4 oz	Universal	CCI 209	WAA12F114	23.1 gr/ 10,800 PSI	--		

For complete data, visit our website at www.hodgdon.com

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1220 fps		1330 fps	
1 1/4 oz	Universal	CCI 209M	Rem. SP12	23.5 gr/ 10,800 PSI		—	
1 1/4 oz	Universal	CCI 209M	WAA12F114	23.0 gr/ 11,300 PSI		—	
1 1/4 oz	Universal	Fed. 209A	Rem. SP12	22.5 gr/ 11,300 PSI		—	
1 1/4 oz	Universal	Rem. 209P	Rem. SP12	24.0 gr/ 9,600 PSI		—	
1 1/4 oz	Universal	Rem. 209P	WAA12F114	23.7 gr/ 10,600 PSI		—	
1 1/4 oz	Universal	Win. 209	Rem. SP12	24.0 gr/ 10,000 PSI		—	
1 1/4 oz	Universal	Win. 209	WAA12F114	23.5 gr/ 10,900 PSI		—	
1 1/4 oz	HS-6	Win. 209	WAA12F114	32.0 gr/ 9,200 LUP		34.0 gr/ 10,400 LUP	
1 1/4 oz	HS-6	Win. 209	Rem. R12H	32.0 gr/ 9,100 LUP		34.0 gr/ 10,200 LUP	
				1330 fps		1385 fps	
1 1/4 oz	Longshot	CCI 209M	Fed. 12S4	27.0 gr/ 11,400 PSI		—	
1 1/4 oz	Longshot	CCI 209M	Rem. R12L	27.7 gr/ 10,600 PSI		28.7 gr/ 11,500 PSI	
1 1/4 oz	Longshot	CCI 209M	WAA12F114	26.4 gr/ 11,500 PSI		—	
1 1/4 oz	Longshot	Fed. 209A	Fed. 12S4	27.0 gr/ 11,500 PSI		—	
1 1/4 oz	Longshot	Fed. 209A	Rem. R12L	27.5 gr/ 10,600 PSI		—	
1 1/4 oz	Longshot	Fed. 209A	WAA12F114	27.3 gr/ 11,400 PSI		—	
1 1/4 oz	Longshot	Rem. 209P	Fed. 12S4	27.4 gr/ 10,900 PSI		—	
1 1/4 oz	Longshot	Rem. 209P	Rem. R12L	28.5 gr/ 9,900 PSI		29.9 gr/ 10,700 PSI	
1 1/4 oz	Longshot	Rem. 209P	WAA12F114	27.1 gr/ 10,600 PSI		28.2 gr/ 11,500 PSI	
1 1/4 oz	Longshot	Win. 209	Fed. 12S4	28.3 gr/ 9,900 PSI		29.6 gr/ 11,100 PSI	
1 1/4 oz	Longshot	Win. 209	Rem. R12L	28.5 gr/ 9,300 PSI		31.8 gr/ 11,200 PSI	
1 1/4 oz	Longshot	Win. 209	WAA12F114	28.2 gr/ 9,100 PSI		30.1 gr/ 10,400 PSI	
				1225 fps		1275 fps	
1 1/4 oz	PB	Rem. 209P	Rem. SP12	23.0 gr/ 10,600 PSI		24.5 gr/ 11,500 PSI	
1 1/4 oz	SR 7625	Fed. 209A	Rem. SP12	24.0 gr/ 10,600 PSI		25.5 gr/ 11,500 PSI	
1 1/4 oz	SR 7625	Fed. 209A	WAA12R	24.0 gr/ 9,900 PSI		26.0 gr/ 11,300 PSI	
1 1/4 oz	SR 7625	Rem. 209P	Rem. SP12	—		27.5 gr/ 10,600 PSI	
1 1/4 oz	SR 7625	Rem. 209P	WAA12R	—		27.0 gr/ 10,300 PSI	
1 1/4 oz	SR 7625	Win. 209	Rem. SP12	—		26.5 gr/ 10,800 PSI	
1 1/4 oz	SR 7625	Win. 209	WAA12R	—		27.0 gr/ 10,200 PSI	
1 1/4 oz	SR 4756	Fed. 209A	Fed. 12S4	26.5 gr/ 10,700 PSI		27.5 gr/ 11,400 PSI	
1 1/4 oz	SR 4756	Fed. 209A	Rem. RP12	—		26.5 gr/ 10,500 PSI	
1 1/4 oz	SR 4756	Fed. 209A	WAA12R	—		28.0 gr/ 10,600 PSI	
1 1/4 oz	SR 4756	Rem. 209P	Rem. SP12	—		30.0 gr/ 9,300 PSI	
1 1/4 oz	800-X	Fed. 209A	Fed. 12S3	—		24.0 gr/ 11,200 PSI	
1 1/4 oz	800-X	Fed. 209A	Rem. FIG. 8	—		24.0 gr/ 10,200 PSI	
1 1/4 oz	800-X	Fed. 209A	WAA12	—		24.0 gr/ 11,400 PSI	
1 1/4 oz	800-X	Fed. 209A	Windjammer	—		24.0 gr/ 9,900 PSI	
1 1/4 oz	800-X	Rem. 209P	Fed. 12S3	—		24.5 gr/ 10,500 PSI	
1 1/4 oz	800-X	Rem. 209P	Rem. SP12	—		24.5 gr/ 9,500 PSI	
1 1/4 oz	800-X	Rem. 209P	WAA12	—		24.5 gr/ 10,300 PSI	
1 1/4 oz	800-X	Rem. 209P	Windjammer	—		25.0 gr/ 9,000 PSI	
1 1/4 oz	800-X	Win. 209	Fed. 12S4	—		24.5 gr/ 10,600 PSI	
1 1/4 oz	800-X	Win. 209	Rem. SP12	—		24.5 gr/ 10,100 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS, OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1225 fps		1275 fps	
1 1/4 oz	800-X	Win. 209	WAA12	—		24.5 gr/ 11,000 PSI	
1 1/4 oz	800-X	Win. 209	Windjammer	—		24.5 gr/ 9,700 PSI	
				1220 fps		1275 fps	
1 1/4 oz	WSF	CCI 209	WAA12F114	25.5 gr/ 9,100 PSI		27.0 gr/ 10,200 PSI	
1 1/4 oz	WSF	Win. 209	WAA12F114	—		27.5 gr/ 9,700 PSI	
				1185 fps		1240 fps	
1 3/8 oz	Longshot	CCI 209M	Fed. 12S4	23.1 gr/ 11,200 PSI		—	
1 3/8 oz	Longshot	CCI 209M	G/BP Sport	23.1 gr/ 10,000 PSI		24.9 gr/ 11,500 PSI	
1 3/8 oz	Longshot	CCI 209M	Rem. SP12	24.1 gr/ 10,300 PSI		25.3 gr/ 11,300 PSI	
1 3/8 oz	Longshot	FED. 209A	FED. 12S4	22.5 gr/ 10,800 PSI		—	
1 3/8 oz	Longshot	FED. 209A	G/BP Sport	23.1 gr/ 10,100 PSI		24.7 gr/ 11,500 PSI	
1 3/8 oz	Longshot	FED. 209A	Rem. SP12	22.9 gr/ 9,700 PSI		25.0 gr/ 11,000 PSI	
1 3/8 oz	Longshot	REM. 209P	Fed. 12S4	23.0 gr/ 10,600 PSI		—	
1 3/8 oz	Longshot	REM. 209P	G/BP Sport	23.4 gr/ 9,300 PSI		25.2 gr/ 10,800 PSI	
1 3/8 oz	Longshot	REM. 209P	Rem. SP12	23.4 gr/ 9,300 PSI		26.1 gr/ 10,200 PSI	
1 3/8 oz	Longshot	WIN. 209	FED. 12S4	23.5 gr/ 9,900 PSI		—	
1 3/8 oz	Longshot	WIN. 209	G/BP Sport	23.5 gr/ 9,400 PSI		25.3 gr/ 10,500 PSI	
1 3/8 oz	Longshot	WIN. 209	Rem. SP12	24.9 gr/ 8,800 PSI		26.1 gr/ 10,400 PSI	
				1100 fps		1150 fps	
1 3/8 oz	PB	Fed. 209A	Rem. SP12	19.5 gr/ 11,000 PSI		—	
1 3/8 oz	PB	Fed. 209A	WAA12R	19.5 gr/ 10,900 PSI		—	
1 3/8 oz	PB	Rem. 209P	Rem. SP12	—		21.0 gr/ 11,000 PSI	
1 3/8 oz	PB	Rem. 209P	WAA12R	—		21.5 gr/ 10,900 PSI	
1 3/8 oz	PB	Win. 209	Rem. RP12	20.5 gr/ 11,100 PSI		—	
1 3/8 oz	PB	Win. 209	WAA12R	—		21.5 gr/ 11,000 PSI	
				1100 fps		1150 fps	
1 3/8 oz	SR 7625	Fed. 209A	Rem. SP12	22.0 gr/ 11,200 PSI		—	
1 3/8 oz	SR 7625	Fed. 209A	WAA12R	21.5 gr/ 10,800 PSI		—	
1 3/8 oz	SR 7625	Rem. 209P	Rem. RP12	—		24.5 gr/ 10,800 PSI	
1 3/8 oz	SR 7625	Rem. 209P	WAA12R	—		25.0 gr/ 11,000 PSI	
1 3/8 oz	SR 7625	Win. 209	Rem. RP12	—		23.0 gr/ 11,100 PSI	
1 3/8 oz	SR 7625	Win. 209	WAA12R	—		23.5 gr/ 10,900 PSI	
1 3/8 oz	SR 4756	Fed. 209A	Rem. SP12	—		26.0 gr/ 11,000 PSI	
1 3/8 oz	SR 4756	Fed. 209A	WAA12R	—		26.0 gr/ 11,100 PSI	
1 3/8 oz	SR 4756	Rem. 209P	Rem. SP12	—		—	
				1300 fps		1200 fps	
1 3/8 oz	SR 4756	Rem. 209P	WAA12R	30.5 gr/ 11,100 PSI		—	
				1100 fps		1150 fps	
1 3/8 oz	SR 4756	Win. 209	Rem. RP12	—		29.0 gr/ 11,100 PSI	
1 3/8 oz	SR 4756	Win. 209	WAA12R	—		28.5 gr/ 10,900 PSI	
1 3/8 oz	800-X	Fed. 209A	Rem. RP12	—		22.5 gr/ 11,000 PSI	
1 3/8 oz	800-X	Fed. 209A	WAA12R	—		23.0 gr/ 11,100 PSI	
				1225 fps		1250 fps	
1 3/8 oz	800-X	Rem. 209P	Fed. 12S4	24.0 gr/ 11,100 PSI		—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", REMINGTON STS. OR NITRO 27, OR GUN CLUB PLASTIC SHELLS (CONT.)							
				1225 fps	1250 fps	1275 fps	
1 3/8 oz	800-X	Rem. 209P	Rem. SP12	—	—	26.5 gr / 11,000 PSI	
1 3/8 oz	800-X	Rem. 209P	WAA12R	—	—	25.5 gr / 11,100 PSI	
1 3/8 oz	800-X	Win. 209	Rem. SP12	24.0 gr / 11,000 PSI	—	—	
1 3/8 oz	800-X	Win. 209	WAA12R	—	24.5 gr / 10,900 PSI	—	
				1205 fps	1260 fps		
1 1/2 oz	Longshot	Rem. 209P	Rem. RP12	25.0 gr / 11,500 PSI	—	—	
1 1/2 oz	Longshot	Rem. 209P	WAA12R	24.8 gr / 11,000 PSI	—	—	
1 1/2 oz	Longshot	Win. 209	Rem. RP12	25.6 gr / 10,400 PSI	—	—	
1 1/2 oz	Longshot	Win. 209	WAA12R	26.1 gr / 10,500 PSI	27.0 gr / 11,300 PSI	—	
				1150 fps			
1 1/2 oz	SR 4756	Rem. 209P	Rem. RP12	27.0 gr / 11,200 PSI	—	—	
1 1/2 oz	SR 4756	Rem. 209P	WAA12R	27.5 gr / 11,000 PSI	—	—	
1 1/2 oz	SR 4756	Win. 209	WAA12R	26.5 gr / 11,200 PSI	—	—	
1 1/2 oz	800-X	Fed. 209A	Rem. RP12	22.0 gr / 11,200 PSI	—	—	
1 1/2 oz	800-X	Fed. 209A	WAA12R	22.5 gr / 11,300 PSI	—	—	
1 1/2 oz	800-X	Rem. 209P	Rem. RP12	23.0 gr / 11,200 PSI	—	—	
1 1/2 oz	800-X	Rem. 209P	WAA12R	23.5 gr / 11,200 PSI	—	—	
1 1/2 oz	800-X	Win. 209	Rem. RP12	22.5 gr / 11,300 PSI	—	—	
1 1/2 oz	800-X	Win. 209	WAA12R	23.0 gr / 11,200 PSI	—	—	
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS							
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Titewad	CCI 209SC	Rem. TGT 12	17.7 gr / 7,800 PSI	18.8 gr / 8,900 PSI	19.8 gr / 9,600 PSI	21.0 gr / 10,200 PSI
7/8 oz	Titewad	CCI 209SC	WAA12L	17.3 gr / 8,800 PSI	18.2 gr / 10,100 PSI	19.8 gr / 11,300 PSI	—
7/8 oz	Titewad	Fed. 209A	WAA12L	17.8 gr / 8,600 PSI	18.8 gr / 9,100 PSI	19.8 gr / 10,700 PSI	—
7/8 oz	Titewad	Rem. 209P	Fed. 12SO	17.4 gr / 9,200 PSI	18.6 gr / 10,100 PSI	19.4 gr / 11,300 PSI	—
7/8 oz	Titewad	Flo. 616	Rem. TGT 12	17.5 gr / 8,100 PSI	19.2 gr / 8,900 PSI	20.1 gr / 9,800 PSI	21.3 gr / 10,500 PSI
7/8 oz	Titewad	Rem. 209P	Rem. TGT12	17.2 gr / 8,300 PSI	18.2 gr / 9,400 PSI	19.5 gr / 10,300 PSI	—
7/8 oz	Titewad	Rem. 209P	WAA12L	18.0 gr / 8,500 PSI	19.0 gr / 9,100 PSI	19.9 gr / 10,000 PSI	—
7/8 oz	Titewad	Win. 209	Fed. 12SO	17.3 gr / 9,300 PSI	18.5 gr / 10,400 PSI	19.5 gr / 11,300 PSI	—
7/8 oz	Titewad	Win. 209	Rem. TGT12	17.1 gr / 9,300 PSI	18.1 gr / 9,900 PSI	19.5 gr / 10,800 PSI	—
7/8 oz	Titewad	Win. 209	WAA12L	17.8 gr / 8,600 PSI	19.1 gr / 9,500 PSI	20.2 gr / 10,300 PSI	21.4 gr / 10,800 PSI
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	CCI 209M	Rem. TGT 12	16.5 gr / 7,100 PSI	17.5 gr / 7,800 PSI	18.5 gr / 8,900 PSI	—
7/8 oz	Clays	CCI 209M	WAA12L	15.8 gr / 7,500 PSI	17.1 gr / 9,200 PSI	18.0 gr / 10,600 PSI	—
7/8 oz	Clays	CCI 209SC	Rem. TGT 12	16.3 gr / 6,500 PSI	17.6 gr / 7,100 PSI	18.7 gr / 7,800 PSI	—
7/8 oz	Clays	CCI 209SC	WAA12L	16.0 gr / 7,600 PSI	17.4 gr / 9,500 PSI	18.3 gr / 10,500 PSI	—
7/8 oz	Clays	Fed. 209A	Fed. 12SO	16.0 gr / 8,800 PSI	17.4 gr / 9,400 PSI	18.3 gr / 11,300 PSI	—
7/8 oz	Clays	Fed. 209A	Rem. TGT12	16.0 gr / 6,900 PSI	17.2 gr / 9,300 PSI	18.5 gr / 9,900 PSI	19.5 gr / 11,400 PSI
7/8 oz	Clays	Fed. 209A	WAA12L	—	18.0 gr / 8,400 PSI	19.1 gr / 9,300 PSI	20.5 gr / 10,800 PSI
7/8 oz	Clays	Fed. 209A	WAA12SL	—	18.0 gr / 8,500 PSI	19.0 gr / 9,700 PSI	—
7/8 oz	Clays	Rem. 209P	Fed. 12SO	16.8 gr / 7,100 PSI	18.0 gr / 8,600 PSI	19.0 gr / 9,200 PSI	—
7/8 oz	Clays	Rem. 209P	Rem. TGT 12	18.2 gr / 6,000 LUP	18.9 gr / 6,800 LUP	—	—
7/8 oz	Clays	Rem. 209P	WAA12L	16.8 gr / 6,800 PSI	18.1 gr / 7,500 PSI	19.1 gr / 8,600 PSI	20.5 gr / 10,700 PSI
7/8 oz	Clays	Win. 209	Fed. 12SO	17.1 gr / 7,400 PSI	18.0 gr / 8,000 PSI	20.0 gr / 10,700 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
				1200 fps	1250 fps	1300 fps	1350 fps
7/8 oz	Clays	Win. 209	Rem. TGT12	15.8 gr / 7,100 PSI	17.4 gr / 8,000 PSI	18.4 gr / 9,000 PSI	19.4 gr / 11,300 PSI
7/8 oz	Clays	Win. 209	WAA12SL	16.9 gr / 7,100 LUP	18.1 gr / 7,400 LUP	19.7 gr / 8,400 LUP	—
7/8 oz	Clays	Win. 209	WAA12L	—	18.3 gr / 8,300 PSI	19.2 gr / 9,400 PSI	20.5 gr / 10,000 PSI
				1250 fps	1300 fps	1350 fps	1400 fps
7/8 oz	Internat'l	CCI 209M	Rem. TGT12	19.0 gr / 7,400 PSI	20.0 gr / 8,900 PSI	20.8 gr / 8,900 PSI	22.0 gr / 10,400 PSI
7/8 oz	Internat'l	CCI 209M	WAA12L	18.8 gr / 7,600 PSI	20.0 gr / 8,000 PSI	21.0 gr / 9,500 PSI	22.4 gr / 10,500 PSI
7/8 oz	Internat'l	CCI 209M	Fed. 12SO	19.0 gr / 8,200 PSI	20.0 gr / 9,100 PSI	21.0 gr / 10,200 PSI	22.0 gr / 11,000 PSI
7/8 oz	Internat'l	CCI 209SC	Rem. TGT12	19.0 gr / 7,800 PSI	19.8 gr / 8,200 PSI	20.8 gr / 9,400 PSI	21.5 gr / 10,300 PSI
7/8 oz	Internat'l	CCI 209SC	WAA12L	19.2 gr / 8,100 PSI	20.2 gr / 8,700 PSI	21.2 gr / 9,500 PSI	22.2 gr / 10,800 PSI
7/8 oz	Internat'l	Ched. 209	WAA12L	20.0 gr / 7,000 PSI	21.2 gr / 7,500 PSI	22.0 gr / 8,400 PSI	22.8 gr / 9,300 PSI
7/8 oz	Internat'l	Fed. 209A	Rem. TGT12	18.6 gr / 8,300 PSI	19.7 gr / 9,000 PSI	20.6 gr / 10,000 PSI	22.0 gr / 10,800 PSI
7/8 oz	Internat'l	Fed. 209A	WAA12SL	20.0 gr / 7,800 PSI	21.0 gr / 8,600 PSI	22.0 gr / 9,500 PSI	—
7/8 oz	Internat'l	Rem. 209P	Rem. TGT12	20.5 gr / 6,800 PSI	21.5 gr / 7,300 PSI	22.5 gr / 8,300 PSI	23.0 gr / 9,300 PSI
7/8 oz	Internat'l	Rem. 209P	WAA12L	20.0 gr / 7,500 PSI	20.8 gr / 8,300 PSI	22.2 gr / 8,900 PSI	22.7 gr / 10,200 PSI
7/8 oz	Internat'l	Win. 209	Fed. 12SO	19.5 gr / 8,100 PSI	20.9 gr / 8,500 PSI	21.9 gr / 9,500 PSI	—
7/8 oz	Internat'l	Win. 209	Rem. TGT12	20.2 gr / 7,100 PSI	20.2 gr / 7,800 PSI	21.2 gr / 8,700 PSI	22.5 gr / 9,300 PSI
7/8 oz	Internat'l	Win. 209	WAA12SL	20.5 gr / 7,900 PSI	21.0 gr / 8,600 PSI	21.5 gr / 9,100 PSI	22.5 gr / 10,200 PSI
				1150 fps	1200 fps	1250 fps	1325 fps
24 gm	700-X	Fed. 209A	CB 1100-12	14.5 gr / 5,700 PSI	15.5 gr / 6,400 PSI	17.0 gr / 7,400 PSI	18.5 gr / 8,300 PSI
24 gm	700-X	Fed. 209A	CB 2100-12	15.0 gr / 5,900 PSI	16.0 gr / 6,700 PSI	17.0 gr / 7,500 PSI	18.5 gr / 8,600 PSI
24 gm	700-X	Fed. 209A	Fed. 12SO	15.0 gr / 6,400 PSI	16.0 gr / 7,100 PSI	17.0 gr / 7,900 PSI	18.5 gr / 9,000 PSI
24 gm	700-X	Fed. 209A	Rem. TGT12	14.5 gr / 6,000 PSI	16.0 gr / 7,000 PSI	17.0 gr / 7,800 PSI	18.5 gr / 8,600 PSI
24 gm	700-X	Fed. 209A	WAA12SL	14.5 gr / 6,400 PSI	15.5 gr / 7,000 PSI	17.0 gr / 8,100 PSI	18.5 gr / 9,100 PSI
24 gm	700-X	Rem. 209P	CB 1100-12	16.0 gr / 4,100 PSI	17.5 gr / 4,800 PSI	19.0 gr / 5,500 PSI	20.5 gr / 6,400 PSI
24 gm	700-X	Rem. 209P	CB 2100-12	15.0 gr / 4,800 PSI	16.5 gr / 5,200 PSI	18.0 gr / 5,600 PSI	20.0 gr / 6,300 PSI
24 gm	700-X	Rem. 209P	Fed. 12SO	15.0 gr / 5,000 PSI	16.5 gr / 5,600 PSI	18.0 gr / 6,300 PSI	19.5 gr / 7,600 PSI
24 gm	700-X	Rem. 209P	Rem. TGT12	15.5 gr / 5,000 PSI	16.5 gr / 5,500 PSI	18.0 gr / 6,100 PSI	20.5 gr / 6,800 PSI
24 gm	700-X	Rem. 209P	WAA12SL	15.0 gr / 5,300 PSI	16.5 gr / 6,000 PSI	18.0 gr / 6,800 PSI	19.5 gr / 7,600 PSI
24 gm	700-X	Win. 209	CB 1100-12	14.5 gr / 5,600 PSI	15.5 gr / 6,300 PSI	17.0 gr / 7,300 PSI	18.5 gr / 8,400 PSI
24 gm	700-X	Win. 209	CB 2100-12	15.0 gr / 5,400 PSI	16.0 gr / 6,400 PSI	17.0 gr / 7,200 PSI	18.5 gr / 8,600 PSI
24 gm	700-X	Win. 209	Fed. 12SO	14.5 gr / 6,600 PSI	15.5 gr / 7,300 PSI	17.0 gr / 8,300 PSI	18.5 gr / 9,300 PSI
24 gm	700-X	Win. 209	Rem. TGT12	14.5 gr / 6,000 PSI	16.0 gr / 6,900 PSI	17.0 gr / 7,600 PSI	18.5 gr / 8,700 PSI
24 gm	700-X	Win. 209	WAA12SL	14.5 gr / 6,300 PSI	15.5 gr / 7,100 PSI	17.0 gr / 8,200 PSI	18.5 gr / 9,100 PSI
24 gm	PB	Fed. 209A	CB 1100-12	18.5 gr / 4,900 PSI	20.0 gr / 5,300 PSI	21.0 gr / 5,600 PSI	23.0 gr / 6,600 PSI
24 gm	PB	Fed. 209A	Fed. 12SO	18.5 gr / 5,500 PSI	19.5 gr / 6,000 PSI	21.0 gr / 6,600 PSI	23.0 gr / 7,900 PSI
24 gm	PB	Fed. 209A	Rem. FIG. 8	18.0 gr / 5,200 PSI	19.5 gr / 5,800 PSI	21.0 gr / 6,500 PSI	23.0 gr / 7,200 PSI
24 gm	PB	Fed. 209A	WAA12SL	18.0 gr / 5,800 PSI	19.0 gr / 6,200 PSI	20.5 gr / 6,900 PSI	22.5 gr / 7,800 PSI
24 gm	PB	Rem. 209P	CB 1100-12	19.5 gr / 4,200 PSI	20.5 gr / 4,500 PSI	22.0 gr / 5,000 PSI	24.5 gr / 5,700 PSI
24 gm	PB	Rem. 209P	Fed. 12SO	19.5 gr / 4,900 PSI	20.5 gr / 5,400 PSI	22.0 gr / 6,100 PSI	24.0 gr / 6,800 PSI
24 gm	PB	Rem. 209P	Rem. FIG. 8	19.5 gr / 4,500 PSI	20.5 gr / 5,000 PSI	22.0 gr / 5,800 PSI	23.5 gr / 6,700 PSI
24 gm	PB	Rem. 209P	WAA12SL	18.5 gr / 4,800 PSI	20.0 gr / 5,400 PSI	21.5 gr / 6,100 PSI	23.5 gr / 7,200 PSI
24 gm	PB	Win. 209	CB 1100-12	19.0 gr / 4,500 PSI	20.5 gr / 5,000 PSI	22.0 gr / 5,600 PSI	23.5 gr / 6,300 PSI
24 gm	PB	Win. 209	Fed. 12SO	19.0 gr / 5,200 PSI	20.0 gr / 5,800 PSI	21.5 gr / 6,600 PSI	23.0 gr / 7,500 PSI
24 gm	PB	Win. 209	Rem. FIG. 8	19.0 gr / 4,900 PSI	20.5 gr / 5,400 PSI	22.0 gr / 6,100 PSI	23.5 gr / 6,800 PSI

For complete data, visit our website at www.hodgdon.com

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
				1150 fps	1200 fps	1250 fps	1325 fps
24 gm	PB	Win. 209	WAA12SL	18.0 gr/ 5,500 PSI	19.5 gr/ 6,000 PSI	21.0 gr/ 6,500 PSI	22.5 gr/ 7,500 PSI
24 gm	SR 7625	Fed. 209A	CB 1100-12	22.5 gr/ 3,700 PSI	23.5 gr/ 4,000 PSI	25.0 gr/ 4,600 PSI	27.0 gr/ 5,500 PSI
24 gm	SR 7625	Fed. 209A	Fed. 12SO	22.0 gr/ 4,400 PSI	23.0 gr/ 4,800 PSI	24.5 gr/ 5,400 PSI	26.0 gr/ 6,400 PSI
24 gm	SR 7625	Fed. 209A	Rem. FIG. 8	22.0 gr/ 4,200 PSI	23.0 gr/ 4,700 PSI	24.5 gr/ 5,300 PSI	26.5 gr/ 6,200 PSI
24 gm	SR 7625	Fed. 209A	WAA12SL	21.0 gr/ 4,600 PSI	22.5 gr/ 5,000 PSI	24.0 gr/ 5,400 PSI	26.0 gr/ 6,400 PSI
24 gm	SR 7625	Rem. 209P	CB 1100-12	23.5 gr/ 3,000 PSI	25.0 gr/ 3,500 PSI	26.5 gr/ 4,100 PSI	28.0 gr/ 4,700 PSI
24 gm	SR 7625	Rem. 209P	Fed. 12SO	22.5 gr/ 4,000 PSI	24.0 gr/ 4,400 PSI	25.5 gr/ 5,200 PSI	27.0 gr/ 6,000 PSI
24 gm	SR 7625	Rem. 209P	Rem. FIG. 8	23.0 gr/ 3,700 PSI	24.0 gr/ 4,200 PSI	25.5 gr/ 4,800 PSI	27.5 gr/ 5,700 PSI
24 gm	SR 7625	Rem. 209P	WAA12SL	22.5 gr/ 3,700 PSI	24.0 gr/ 4,400 PSI	25.0 gr/ 4,800 PSI	27.0 gr/ 5,500 PSI
24 gm	SR 7625	Win. 209	CB 1100-12	23.5 gr/ 3,500 PSI	24.5 gr/ 3,700 PSI	26.0 gr/ 4,300 PSI	28.0 gr/ 5,000 PSI
24 gm	SR 7625	Win. 209	Fed. 12SO	22.0 gr/ 4,100 PSI	23.5 gr/ 4,700 PSI	25.0 gr/ 5,300 PSI	27.0 gr/ 6,200 PSI
24 gm	SR 7625	Win. 209	Rem. FIG. 8	22.0 gr/ 4,300 PSI	23.0 gr/ 4,600 PSI	24.5 gr/ 5,100 PSI	26.5 gr/ 5,900 PSI
24 gm	SR 7625	Win. 209	WAA12SL	22.5 gr/ 4,200 PSI	23.5 gr/ 4,700 PSI	25.0 gr/ 5,300 PSI	27.0 gr/ 6,000 PSI
				1050 fps	1100 fps	1150 fps	
7/8 oz	WAA1ite	Ched. 209	Fed. 12SO	12.8 gr/ 5,900 PSI	13.6 gr/ 6,800 PSI	14.3 gr/ 7,600 PSI	
7/8 oz	WAA1ite	Ched. 209	WAA12SL	12.5 gr/ 5,500 PSI	13.4 gr/ 6,600 PSI	14.2 gr/ 7,500 PSI	
7/8 oz	WAA1ite	Fed. 209A	Fed. 12SO	12.8 gr/ 6,000 PSI	13.6 gr/ 6,900 PSI	14.5 gr/ 7,800 PSI	
7/8 oz	WAA1ite	Fed. 209A	WAA12SL	12.6 gr/ 5,400 PSI	13.4 gr/ 6,500 PSI	14.2 gr/ 7,600 PSI	
7/8 oz	WAA1ite	Rem. 209P	Fed. 12SO	12.7 gr/ 5,900 PSI	13.4 gr/ 6,800 PSI	14.3 gr/ 8,000 PSI	
7/8 oz	WAA1ite	Rem. 209P	WAA12SL	12.6 gr/ 5,400 PSI	13.4 gr/ 6,500 PSI	14.1 gr/ 7,400 PSI	
7/8 oz	WAA1ite	Win. 209	Fed. 12SO	13.1 gr/ 5,100 PSI	14.0 gr/ 6,300 PSI	14.9 gr/ 7,500 PSI	
7/8 oz	WAA1ite	Win. 209	WAA12SL	12.8 gr/ 5,500 PSI	13.6 gr/ 6,500 PSI	14.5 gr/ 7,700 PSI	
				1325 fps	1355 fps	1400 fps	
7/8 oz	WST	CCI 209	WAA12L	—	—	23.5 gr/ 7,200 PSI	—
7/8 oz	WST	Fed. 209A	WAA12L	—	—	23.5 gr/ 7,400 PSI	—
7/8 oz	WST*	Win. 209	WAA12L	—	22.0 gr/ 7,900 PSI	—	23.5 gr/ 8,200 PSI
				980 fps	1035 fps	1090 fps	1145 fps
**26 gm	WAA1ite	Win. 209	WAA12SL	12.0 gr/ 5,600 PSI	13.0 gr/ 6,800 PSI	13.8 gr/ 7,600 PSI	14.8 gr/ 8,800 PSI
				1125 fps	1180 fps	1235 fps	1290 fps
1 oz	Titewad	CCI 209SC	Purple PC	15.5 gr/ 7,400 PSI	17.0 gr/ 7,700 PSI	18.5 gr/ 9,100 PSI	20.0 gr/10,200 PSI
1 oz	Titewad	CCI 209SC	Rem.TGT12	15.3 gr/ 8,700 PSI	16.5 gr/ 9,200 PSI	17.6 gr/ 10,900 PSI	—
1 oz	Titewad	CCI 209SC	WAA12SL	15.7 gr/ 8,000 PSI	16.7 gr/ 8,200 PSI	17.7 gr/ 10,400 PSI	—
1 oz	Titewad	Fed. 209A	Rem.TGT12	15.7 gr/ 7,600 PSI	17.3 gr/ 8,800 PSI	18.1 gr/ 10,000 PSI	19.4 gr/ 11,200 PSI
1 oz	Titewad	Fed. 209A	WAA12SL	16.4 gr/ 7,300 PSI	17.4 gr/ 7,700 PSI	18.4 gr/ 9,600 PSI	20.1 gr/ 10,600 PSI
1 oz	Titewad	Fio. 616	Windjammer	—	16.6 gr/ 8,300 PSI	18.2 gr/ 9,600 PSI	19.5 gr/ 10,700 PSI
1 oz	Titewad	Rem. 209P	Fed. 12SO	15.7 gr/ 8,700 PSI	16.5 gr/ 10,000 PSI	18.0 gr/ 11,200 PSI	—
1 oz	Titewad	Rem. 209P	Purple PC	15.9 gr/ 6,500 PSI	17.3 gr/ 7,300 PSI	18.8 gr/ 9,200 PSI	20.3 gr/ 10,400 PSI
1 oz	Titewad	Rem. 209P	Rem. TGT 12	15.9 gr/ 6,900 PSI	16.8 gr/ 7,800 PSI	18.4 gr/ 8,900 PSI	20.2 gr/ 10,600 PSI
1 oz	Titewad	Rem. 209P	WAA12SL	15.5 gr/ 7,300 PSI	17.1 gr/ 8,000 PSI	18.5 gr/ 9,600 PSI	19.5 gr/ 11,200 PSI
1 oz	Titewad	Rem. 209P	Windjammer	—	17.3 gr/ 7,900 PSI	18.3 gr/ 9,400 PSI	19.5 gr/ 9,900 PSI
1 oz	Titewad	Win. 209	Fed. 12SO	15.6 gr/ 9,000 PSI	16.8 gr/ 10,300 PSI	—	—
1 oz	Titewad	Win. 209	Purple PC	15.9 gr/ 6,900 PSI	17.1 gr/ 7,400 PSI	18.5 gr/ 9,000 PSI	19.5 gr/ 10,400 PSI
1 oz	Titewad	Win. 209	Rem.TGT12	15.2 gr/ 8,200 PSI	16.4 gr/ 9,200 PSI	17.7 gr/ 10,200 PSI	19.0 gr/ 11,300 PSI
1 oz	Titewad	Win. 209	WAA12SL	15.5 gr/ 7,300 PSI	17.1 gr/ 8,000 PSI	18.5 gr/ 9,600 PSI	19.5 gr/ 11,200 PSI
1 oz	Clays	CCI 209	Fed. 12SO	15.8 gr/ 9,000 PSI	17.0 gr/ 10,500 PSI	—	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
				1125 fps	1180 fps	1235 fps	1290 fps
1 oz	Clays	CCI 209	Purple PC	16.0 gr/ 7,400 PSI	17.2 gr/ 8,200 PSI	18.5 gr/ 9,900 PSI	20.0 gr/ 10,800 PSI
1 oz	Clays	CCI 209	Rem. TGT 12	16.6 gr/ 6,700 LUP	17.7 gr/ 7,700 LUP	18.7 gr/ 8,500 LUP	19.8 gr/ 9,500 LUP
1 oz	Clays	CCI 209	WAA12SL	15.7 gr/ 7,900 PSI	17.0 gr/ 8,700 PSI	18.4 gr/ 10,900 PSI	—
1 oz	Clays	CCI 209	Windjammer	16.3 gr/ 6,500 PSI	17.5 gr/ 7,600 PSI	18.8 gr/ 9,000 PSI	20.3 gr/ 10,700 PSI
1 oz	Clays	CCI 209SC	Purple PC	16.6 gr/ 6,000 PSI	18.0 gr/ 7,100 PSI	19.3 gr/ 8,400 PSI	20.8 gr/ 10,700 PSI
1 oz	Clays	CCI 209SC	Rem. TGT 12	15.2 gr/ 6,400 PSI	16.6 gr/ 7,500 PSI	17.5 gr/ 9,700 PSI	19.2 gr/ 11,000 PSI
1 oz	Clays	CCI 209SC	WAA12SL	15.8 gr/ 7,500 PSI	17.0 gr/ 8,300 PSI	18.5 gr/ 9,800 PSI	—
1 oz	Clays	CCI 209SC	Windjammer	15.7 gr/ 6,800 PSI	16.7 gr/ 7,400 PSI	18.0 gr/ 9,200 PSI	19.5 gr/ 11,200 PSI
1 oz	Clays	Fed. 209A	Purple PC	15.5 gr/ 7,400 PSI	17.3 gr/ 9,200 PSI	18.5 gr/ 10,400 PSI	19.8 gr/ 11,100 PSI
1 oz	Clays	Fed. 209A	Rem.TGT12	15.2 gr/ 7,800 PSI	16.7 gr/ 9,500 PSI	18.2 gr/ 11,000 PSI	—
1 oz	Clays	Fed. 209A	WAA12SL	15.4 gr/ 8,500 PSI	16.9 gr/ 9,000 PSI	18.4 gr/ 10,900 PSI	—
1 oz	Clays	Fed. 209A	Windjammer	15.1 gr/ 7,900 PSI	16.8 gr/ 9,200 PSI	18.2 gr/ 11,200 PSI	—
1 oz	Clays	Rem. 209P	Fed. 12SO	16.0 gr/ 8,200 PSI	17.4 gr/ 9,400 PSI	18.7 gr/ 11,400 PSI	—
1 oz	Clays	Rem. 209P	Rem.TGT12	16.1 gr/ 7,500 PSI	17.3 gr/ 8,400 PSI	18.5 gr/ 9,900 PSI	—
1 oz	Clays	Rem. 209P	WAA12SL	16.2 gr/ 6,500 PSI	17.4 gr/ 8,000 PSI	18.6 gr/ 9,200 PSI	20.4 gr/ 10,600 PSI
1 oz	Clays	Win. 209	Purple PC	15.7 gr/ 7,000 PSI	17.2 gr/ 8,500 PSI	18.5 gr/ 9,900 PSI	20.0 gr/ 10,400 PSI
1 oz	Clays	Win. 209	Rem.TGT12	15.8 gr/ 7,700 PSI	16.8 gr/ 8,500 PSI	18.2 gr/ 10,300 PSI	—
1 oz	Clays	Win. 209	WAA12SL	16.0 gr/ 7,400 LUP	17.2 gr/ 8,300 LUP	18.5 gr/ 9,200 LUP	19.8 gr/ 10,200 LUP
				1180 fps	1235 fps	1290 fps	1345 fps
1 oz	Intern't'l	CCI 209	Purple PC	18.8 gr/ 7,300 PSI	20.0 gr/ 8,500 PSI	21.0 gr/ 9,100 PSI	22.0 gr/ 10,900 PSI
1 oz	Intern't'l	CCI 209	Rem.TGT12	18.0 gr/ 7,400 PSI	19.2 gr/ 8,700 PSI	20.2 gr/ 10,000 PSI	—
1 oz	Intern't'l	CCI 209	WAA12SL	19.2 gr/ 6,700 LUP	20.6 gr/ 7,500 LUP	22.3 gr/ 8,800 LUP	—
1 oz	Intern't'l	CCI 209SC	Purple PC	18.5 gr/ 8,200 PSI	19.8 gr/ 9,100 PSI	21.0 gr/ 10,100 PSI	22.0 gr/ 11,200 PSI
1 oz	Intern't'l	CCI 209SC	Rem.TGT12	17.8 gr/ 8,700 PSI	19.3 gr/ 9,700 PSI	20.3 gr/ 10,400 PSI	21.3 gr/ 11,300 PSI
1 oz	Intern't'l	CCI 209SC	WAA12SL	19.0 gr/ 7,400 PSI	20.0 gr/ 8,600 PSI	21.0 gr/ 10,000 PSI	—
1 oz	Intern't'l	Fed. 209A	Purple PC	19.2 gr/ 7,000 PSI	20.6 gr/ 7,900 PSI	21.7 gr/ 9,600 PSI	—
1 oz	Intern't'l	Fed. 209A	Rem.TGT12	17.8 gr/ 9,000 PSI	18.8 gr/ 9,700 PSI	20.0 gr/ 10,500 PSI	—
1 oz	Intern't'l	Fed. 209A	WAA12SL	18.0 gr/ 8,700 PSI	19.0 gr/ 10,400 PSI	20.0 gr/ 11,300 PSI	—
1 oz	Intern't'l	Rem. 209P	Fed. 12SO	18.8 gr/ 9,100 PSI	20.0 gr/ 9,900 PSI	—	—
1 oz	Intern't'l	Rem. 209P	Purple PC	19.8 gr/ 7,700 PSI	20.7 gr/ 8,900 PSI	21.6 gr/ 9,400 PSI	22.8 gr/ 10,100 PSI
1 oz	Intern't'l	Rem. 209P	Rem. TGT 12	20.8 gr/ 5,900 LUP	21.5 gr/ 7,100 LUP	22.3 gr/ 7,800 LUP	—
1 oz	Intern't'l	Rem. 209P	WAA12SL	19.0 gr/ 7,700 PSI	20.0 gr/ 9,200 PSI	21.2 gr/ 9,700 PSI	22.5 gr/ 11,100 PSI
1 oz	Intern't'l	Win. 209	Fed. 12SO	18.4 gr/ 8,700 PSI	19.6 gr/ 10,500 PSI	20.7 gr/ 11,100 PSI	—
1 oz	Intern't'l	Win. 209	Purple PC	18.6 gr/ 7,700 PSI	20.0 gr/ 8,100 PSI	21.2 gr/ 9,300 PSI	22.7 gr/ 10,800 PSI
1 oz	Intern't'l	Win. 209	Rem.TGT12	18.4 gr/ 7,700 PSI	19.6 gr/ 8,600 PSI	20.7 gr/ 9,600 PSI	22.2 gr/ 11,000 PSI
1 oz	Intern't'l	Win. 209	WAA12SL	18.9 gr/ 6,900 LUP	20.4 gr/ 8,300 LUP	21.3 gr/ 8,900 LUP	—
1 oz	Titegrcup	Rem. 209P	Rem. TGT 12	16.0 gr/ 7,700 PSI	17.3 gr/ 9,000 PSI	18.6 gr/ 10,200 PSI	20.0 gr/ 11,200 PSI
1 oz	Titegrcup	Rem. 209P	WAA12SL	16.2 gr/ 7,800 PSI	17.4 gr/ 9,100 PSI	18.6 gr/ 10,400 PSI	20.0 gr/ 11,500 PSI
1 oz	Titegrcup	Win. 209	Rem. TGT 12	15.7 gr/ 7,900 PSI	17.1 gr/ 9,100 PSI	18.5 gr/ 10,200 PSI	19.9 gr/ 11,400 PSI
1 oz	Titegrcup	Win. 209	WAA12SL	16.5 gr/ 7,500 PSI	17.7 gr/ 8,800 PSI	18.9 gr/ 10,100 PSI	20.1 gr/ 11,400 PSI
				1100 fps	1150 fps	1200 fps	1250 fps
1 oz	700-X	Fed. 209A	CB 1100-12	15.0 gr/ 6,300 PSI	16.0 gr/ 7,000 PSI	17.5 gr/ 8,000 PSI	18.5 gr/ 8,700 PSI
1 oz	700-X	Fed. 209A	Fed. 12S3	14.5 gr/ 7,900 PSI	15.5 gr/ 8,700 PSI	17.0 gr/ 9,900 PSI	18.0 gr/ 10,700 PSI
1 oz	700-X	Fed. 209A	Rem. TGT12	15.0 gr/ 6,900 PSI	16.0 gr/ 7,500 PSI	17.0 gr/ 8,200 PSI	18.5 gr/ 9,400 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
				1100 fps	1150 fps	1200 fps	1250 fps
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
1 oz	700-X	Fed. 209A	WAA12SL	15.0 gr / 7,300 PSI	16.0 gr / 8,000 PSI	17.0 gr / 8,700 PSI	18.5 gr / 9,700 PSI
1 oz	700-X	Rem. 209P	CB 1100-12	16.0 gr / 5,000 PSI	17.0 gr / 5,600 PSI	18.0 gr / 6,100 PSI	19.5 gr / 7,000 PSI
1 oz	700-X	Rem. 209P	Fed. 12S3	15.0 gr / 7,100 PSI	16.5 gr / 7,900 PSI	17.5 gr / 8,600 PSI	18.5 gr / 9,300 PSI
1 oz	700-X	Rem. 209P	Rem. TGT12	15.5 gr / 5,800 PSI	16.5 gr / 6,200 PSI	18.0 gr / 7,100 PSI	19.0 gr / 7,700 PSI
1 oz	700-X	Rem. 209P	WAA12SL	15.0 gr / 6,400 PSI	16.5 gr / 7,000 PSI	18.0 gr / 7,600 PSI	19.0 gr / 8,000 PSI
1 oz	700-X	Win. 209	CB 1100-12	14.5 gr / 6,500 PSI	15.5 gr / 7,400 PSI	17.0 gr / 8,500 PSI	18.0 gr / 9,300 PSI
1 oz	700-X	Win. 209	Fed. 12S3	14.5 gr / 8,200 PSI	15.5 gr / 8,800 PSI	17.0 gr / 9,700 PSI	18.0 gr/10,500 PSI
1 oz	700-X	Win. 209	Rem. TGT12	14.5 gr / 6,700 PSI	15.5 gr / 7,400 PSI	16.5 gr / 8,200 PSI	18.0 gr / 9,400 PSI
1 oz	700-X	Win. 209	WAA12SL	14.5 gr / 7,500 PSI	15.5 gr / 8,200 PSI	16.5 gr / 9,000 PSI	18.0 gr/10,100 PSI
1 oz	PB	Fed. 209A	CB 1100-12	18.5 gr / 5,200 PSI	20.0 gr / 5,800 PSI	21.5 gr / 6,400 PSI	23.0 gr / 7,200 PSI
1 oz	PB	Fed. 209A	Fed. 12S3	18.0 gr / 6,100 PSI	19.5 gr / 7,200 PSI	20.5 gr / 7,900 PSI	22.0 gr / 8,900 PSI
1 oz	PB	Fed. 209A	Rem. FIG. 8	18.5 gr / 5,300 PSI	20.0 gr / 6,100 PSI	21.0 gr / 6,600 PSI	22.5 gr / 7,400 PSI
1 oz	PB	Fed. 209A	WAA12	18.5 gr / 6,200 PSI	19.5 gr / 6,900 PSI	21.0 gr / 7,900 PSI	22.5 gr / 8,600 PSI
1 oz	PB	Rem. 209P	CB 1100-12	19.0 gr / 4,600 PSI	20.5 gr / 5,100 PSI	22.0 gr / 5,700 PSI	23.5 gr / 6,500 PSI
1 oz	PB	Rem. 209P	Fed. 12S3	19.0 gr / 5,100 PSI	20.5 gr / 6,000 PSI	22.0 gr / 6,900 PSI	23.5 gr / 7,600 PSI
1 oz	PB	Rem. 209P	Rem. FIG. 8	19.0 gr / 4,500 PSI	21.0 gr / 5,300 PSI	22.0 gr / 5,700 PSI	23.5 gr / 6,700 PSI
1 oz	PB	Rem. 209P	WAA12	19.0 gr / 5,700 PSI	20.0 gr / 6,200 PSI	21.5 gr / 7,100 PSI	22.5 gr / 7,700 PSI
1 oz	PB	Win. 209	CB 1100-12	19.0 gr / 5,100 PSI	20.5 gr / 5,600 PSI	22.0 gr / 6,100 PSI	23.5 gr / 6,600 PSI
1 oz	PB	Win. 209	Fed. 12S3	19.0 gr / 5,900 PSI	20.5 gr / 6,800 PSI	21.5 gr / 7,400 PSI	23.0 gr / 8,100 PSI
1 oz	PB	Win. 209	Rem. FIG. 8	19.0 gr / 5,400 PSI	20.0 gr / 5,800 PSI	21.5 gr / 6,500 PSI	23.0 gr / 7,200 PSI
1 oz	PB	Win. 209	Rem. TGT12	18.0 gr / 4,800 PSI	19.5 gr / 5,600 PSI	21.5 gr / 6,700 PSI	23.0 gr / 7,500 PSI
1 oz	PB	Win. 209	WAA12	18.5 gr / 5,900 PSI	20.0 gr / 6,500 PSI	21.5 gr / 7,100 PSI	23.0 gr / 7,900 PSI
1 oz	SR 7625	Fed. 209A	CB 1118-12	21.0 gr / 4,600 PSI	22.0 gr / 5,200 PSI	23.5 gr / 6,200 PSI	24.5 gr / 6,700 PSI
1 oz	SR 7625	Fed. 209A	Fed. 12S3	20.5 gr / 5,400 PSI	21.5 gr / 5,900 PSI	23.0 gr / 6,600 PSI	24.5 gr / 7,300 PSI
1 oz	SR 7625	Fed. 209A	Rem. RXP12	21.5 gr / 5,000 PSI	22.5 gr / 5,400 PSI	23.5 gr / 5,900 PSI	25.0 gr / 6,700 PSI
1 oz	SR 7625	Fed. 209A	WAA12	20.0 gr / 6,000 PSI	21.5 gr / 6,300 PSI	23.5 gr / 6,900 PSI	25.0 gr / 7,400 PSI
1 oz	SR 7625	Rem. 209P	CB 1118-12	22.5 gr / 4,400 PSI	23.5 gr / 4,700 PSI	24.5 gr / 5,300 PSI	26.0 gr / 6,300 PSI
1 oz	SR 7625	Rem. 209P	Fed. 12S3	22.0 gr / 4,500 PSI	23.5 gr / 5,300 PSI	24.5 gr / 6,000 PSI	25.5 gr / 6,900 PSI
1 oz	SR 7625	Rem. 209P	Rem. RXP12	22.5 gr / 4,200 PSI	23.5 gr / 4,700 PSI	24.5 gr / 5,200 PSI	25.5 gr / 6,000 PSI
1 oz	SR 7625	Rem. 209P	WAA12	21.5 gr / 5,000 PSI	22.5 gr / 5,700 PSI	23.5 gr / 6,200 PSI	25.0 gr / 7,100 PSI
1 oz	SR 7625	Win. 209	CB 1118-12	22.0 gr / 4,500 PSI	23.5 gr / 5,100 PSI	25.0 gr / 5,800 PSI	26.0 gr / 6,200 PSI
1 oz	SR 7625	Win. 209	Fed. 12S3	22.0 gr / 5,300 PSI	23.0 gr / 5,900 PSI	24.0 gr / 6,500 PSI	25.0 gr / 7,100 PSI
1 oz	SR 7625	Win. 209	Rem. RXP12	22.0 gr / 4,600 PSI	23.5 gr / 5,000 PSI	25.0 gr / 5,700 PSI	26.0 gr / 6,200 PSI
1 oz	SR 7625	Win. 209	WAA12	21.5 gr / 4,900 PSI	23.0 gr / 5,500 PSI	24.0 gr / 5,800 PSI	25.5 gr / 6,600 PSI
970 fps 1025 fps 1070 fps 1125 fps							
1 oz	WAALite	Ched. 209	J-XL-1	11.8 gr / 5,900 PSI	12.7 gr / 6,900 PSI	13.6 gr / 8,000 PSI	14.6 gr / 9,100 PSI
1 oz	WAALite	Ched. 209	Purple PC	12.4 gr / 5,200 PSI	13.3 gr / 6,300 PSI	14.0 gr / 7,100 PSI	14.9 gr / 8,200 PSI
1 oz	WAALite	Ched. 209	Rem. TGT12	11.8 gr / 5,700 PSI	12.8 gr / 6,700 PSI	13.7 gr / 7,700 PSI	14.8 gr / 8,800 PSI
1 oz	WAALite	Ched. 209	WAA12SL	11.6 gr / 6,100 PSI	12.7 gr / 7,200 PSI	13.6 gr / 8,100 PSI	14.7 gr / 9,300 PSI
1 oz	WAALite	Fed. 209A	J-XL-1	12.0 gr / 6,300 PSI	12.9 gr / 7,200 PSI	13.8 gr / 8,300 PSI	14.8 gr / 9,400 PSI
1 oz	WAALite	Fed. 209A	Purple PC	12.0 gr / 5,400 PSI	13.0 gr / 6,300 PSI	13.9 gr / 7,200 PSI	14.8 gr/10,800 PSI
1 oz	WAALite	Fed. 209A	Rem. TGT12	12.0 gr / 6,300 PSI	12.8 gr / 7,100 PSI	13.7 gr / 8,000 PSI	14.8 gr / 9,100 PSI
1 oz	WAALite	Fed. 209A	WAA12SL	11.7 gr / 6,200 PSI	12.8 gr / 7,500 PSI	13.7 gr / 8,600 PSI	14.7 gr / 9,700 PSI
1 oz	WAALite	Rem. 209P	J-XL-1	11.9 gr / 5,100 PSI	12.9 gr / 6,300 PSI	13.8 gr / 7,400 PSI	14.8 gr / 8,100 PSI
1 oz	WAALite	Rem. 209P	Purple PC	12.3 gr / 4,900 PSI	13.3 gr / 6,000 PSI	14.1 gr / 6,900 PSI	15.2 gr/10,800 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
				970 fps	1025 fps	1070 fps	1125 fps
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
1 oz	WAALite	Rem. 209P	Rem. TGT12	11.8 gr / 5,300 PSI	12.8 gr / 6,500 PSI	13.7 gr / 7,500 PSI	14.7 gr / 8,600 PSI
1 oz	WAALite	Rem. 209P	WAA12SL	11.8 gr / 5,600 PSI	12.8 gr / 6,800 PSI	13.7 gr / 7,800 PSI	14.8 gr / 9,000 PSI
1 oz	WAALite	Win. 209	J-XL-1	12.4 gr / 4,900 PSI	13.2 gr / 6,200 PSI	13.9 gr / 7,300 PSI	14.6 gr / 8,400 PSI
1 oz	WAALite	Win. 209	Purple PC	—	13.4 gr / 5,300 PSI	14.6 gr / 6,600 PSI	15.4 gr / 7,500 PSI
1 oz	WAALite	Win. 209	Rem. TGT12	12.1 gr / 5,500 PSI	13.0 gr / 6,500 PSI	13.8 gr / 7,400 PSI	14.7 gr / 8,500 PSI
1180 fps 1235 fps 1290 fps							
1 oz	WST	CCI 209	Fed. 12S0	19.0 gr / 8,300 PSI	—	20.5 gr / 9,500 PSI	21.5 gr/10,700 PSI
1 oz	WST	CCI 209	WAA12L	—	—	21.0 gr / 8,400 PSI	22.5 gr/10,200 PSI
1 oz	WST	CCI 209	WAA12SL	—	—	21.5 gr / 7,900 PSI	22.5 gr / 9,400 PSI
1 oz	WST	Fed. 209A	WAA12SL	19.0 gr / 7,900 PSI	—	20.0 gr / 8,900 PSI	21.0 gr / 9,800 PSI
1 oz	WST	Win. 209	Fed. 12S0	19.0 gr / 8,000 PSI	—	20.5 gr / 9,500 PSI	22.0 gr/10,900 PSI
1180 fps 1235 fps 1290 fps 1345 fps							
1 oz	WST	Win. 209	WAA12L	19.5 gr / 8,500 PSI	21.0 gr / 9,600 PSI	22.5 gr / 11,100 PSI	—
1 oz	WST**	Win. 209	WAA12SL	19.5 gr / 7,400 PSI	21.0 gr / 8,100 PSI	22.0 gr / 9,000 PSI	—
1 oz	Super Hcp	Ched. 209	J-XL-1	18.9 gr / 7,300 PSI	19.8 gr / 8,400 PSI	20.8 gr / 9,600 PSI	21.7 gr/10,700 PSI
1 oz	Super Hcp	Ched. 209	Purple PC	19.5 gr / 6,900 PSI	20.4 gr / 7,900 PSI	21.2 gr / 8,800 PSI	22.0 gr / 9,700 PSI
1 oz	Super Hcp	Ched. 209	Rem. TGT12	18.6 gr / 7,400 PSI	19.9 gr / 8,600 PSI	21.2 gr / 9,800 PSI	22.4 gr/10,900 PSI
1 oz	Super Hcp	Ched. 209	WAA12SL	18.6 gr / 7,400 PSI	19.8 gr / 8,600 PSI	21.0 gr / 9,900 PSI	22.2 gr/11,200 PSI
1 oz	Super Hcp	Fed. 209A	J-XL-1	18.1 gr / 7,800 PSI	19.5 gr / 8,900 PSI	20.8 gr / 9,900 PSI	22.1 gr/10,900 PSI
1 oz	Super Hcp	Fed. 209A	Purple PC	18.6 gr / 7,400 PSI	20.0 gr / 8,400 PSI	21.4 gr / 9,400 PSI	22.8 gr/10,500 PSI
1 oz	Super Hcp	Fed. 209A	Rem. TGT12	18.2 gr / 7,900 PSI	19.5 gr / 9,100 PSI	20.7 gr / 10,200 PSI	22.0 gr/11,200 PSI
1 oz	Super Hcp	Fed. 209A	WAA12SL	18.3 gr / 8,000 PSI	19.5 gr / 9,100 PSI	20.8 gr / 10,300 PSI	22.0 gr/11,300 PSI
1 oz	Super Hcp	Rem. 209P	J-XL-1	19.0 gr / 7,200 PSI	20.0 gr / 8,300 PSI	21.0 gr / 9,400 PSI	22.1 gr/10,700 PSI
1 oz	Super Hcp	Rem. 209P	Purple PC	19.6 gr / 6,600 PSI	20.7 gr / 7,800 PSI	21.8 gr / 8,900 PSI	22.9 gr/10,100 PSI
1 oz	Super Hcp	Rem. 209P	Rem. TGT12	19.0 gr / 7,300 PSI	20.2 gr / 8,500 PSI	21.3 gr / 9,600 PSI	22.4 gr/10,700 PSI
1 oz	Super Hcp	Rem. 209P	WAA12SL	18.6 gr / 7,300 PSI	19.8 gr / 8,600 PSI	20.9 gr / 9,800 PSI	22.0 gr/10,600 PSI
1 oz	Super Hcp	Win. 209	J-XL-1	19.3 gr / 7,000 PSI	20.3 gr / 8,100 PSI	21.2 gr / 9,000 PSI	22.1 gr/10,100 PSI
1 oz	Super Hcp	Win. 209	Purple PC	19.7 gr / 6,000 PSI	20.8 gr / 7,200 PSI	22.0 gr / 8,500 PSI	23.0 gr / 9,300 PSI
1 oz	Super Hcp	Win. 209	Rem. TGT12	18.2 gr / 7,100 PSI	19.6 gr / 8,500 PSI	20.9 gr / 9,900 PSI	22.2 gr/11,200 PSI
1 oz	Super Hcp	Win. 209	WAA12SL	18.5 gr / 7,400 PSI	19.7 gr / 8,600 PSI	20.8 gr / 9,800 PSI	22.0 gr/11,000 PSI
1090 fps 1145 fps 1200 fps 1255 fps							
1 1/8 oz	Titewad	Ched. 209	Rem. Fig. 8	15.7 gr / 9,500 PSI	16.6 gr / 10,700 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	WAA12	15.3 gr / 9,900 PSI	16.4 gr / 10,900 PSI	—	—
1 1/8 oz	Titewad	Ched. 209	Windjammer	15.9 gr / 8,700 PSI	16.8 gr / 10,100 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Rem. Fig. 8	15.3 gr / 10,300 PSI	16.5 gr / 11,200 PSI	—	—
1 1/8 oz	Titewad	CCI 209	WAA12	15.3 gr / 10,300 PSI	16.0 gr / 10,900 PSI	—	—
1 1/8 oz	Titewad	CCI 209	Windjammer	15.3 gr / 8,600 PSI	16.6 gr / 9,400 PSI	17.8 gr / 10,900 PSI	—
1 1/8 oz	Titewad	Fed. 209A	Fed. 12S3	15.5 gr / 9,900 PSI	16.8 gr / 10,800 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Hor. Vers.	15.3 gr / 10,600 PSI	16.3 gr / 11,400 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Red PC	15.6 gr / 9,600 PSI	16.6 gr / 11,000 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Rem. Fig. 8	15.6 gr / 10,000 PSI	16.6 gr / 10,600 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	WAA12	15.4 gr / 9,700 PSI	16.4 gr / 10,800 PSI	—	—
1 1/8 oz	Titewad	Fed. 209A	Windjammer	15.4 gr / 9,400 PSI	16.0 gr / 10,600 PSI	—	—
1 1/8 oz	Titewad	Rem. 209P	Rem. Fig. 8	15.7 gr / 8,500 PSI	16.8 gr / 9,300 PSI	18.3 gr / 10,400 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
				1090 fps	1145 fps	1200 fps	1255 fps
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
1 1/8 oz	Titewad	Rem. 209P	WAA12	15.5 gr/ 10,100 PSI	16.4 gr/ 11,200 PSI	---	---
1 1/8 oz	Titewad	Rem. 209P	Windjammer	15.5 gr/ 9,100 PSI	16.2 gr/ 10,000 PSI	17.0 gr/ 11,100 PSI	---
1 1/8 oz	Titewad	Win. 209	CB3118-12-AR	15.2 gr/ 9,300 PSI	16.3 gr/ 10,700 PSI	17.7 gr/ 11,400 PSI	---
1 1/8 oz	Titewad	Win. 209	Hawk	14.8 gr/ 10,000 PSI	15.5 gr/ 10,500 PSI	---	---
1 1/8 oz	Titewad	Win. 209	Red PC	15.1 gr/ 8,900 PSI	15.9 gr/ 9,700 PSI	---	---
1 1/8 oz	Titewad	Win. 209	Rem. Fig. 8	15.2 gr/ 9,000 PSI	16.2 gr/ 9,700 PSI	17.5 gr/ 11,100 PSI	---
1 1/8 oz	Titewad	Win. 209	WAA12	15.2 gr/ 9,500 PSI	16.5 gr/ 10,400 PSI	17.8 gr/ 11,100 PSI	---
1 1/8 oz	Titewad	Win. 209	Windjammer	15.3 gr/ 8,300 PSI	16.3 gr/ 9,600 PSI	17.8 gr/ 10,500 PSI	---
1 1/8 oz	Clays	Ched. 209	Rem. Fig. 8	16.4 gr/ 8,800 PSI	17.5 gr/ 10,200 PSI	---	---
1 1/8 oz	Clays	Ched. 209	WAA12	15.8 gr/ 9,400 PSI	17.2 gr/ 10,700 PSI	---	---
1 1/8 oz	Clays	Ched. 209	Windjammer	15.7 gr/ 7,900 PSI	17.4 gr/ 9,500 PSI	19.0 gr/ 11,100 PSI	---
1 1/8 oz	Clays	CCI 209	Red PC	16.5 gr/ 8,400 PSI	17.0 gr/ 10,000 PSI	18.3 gr/ 11,400 PSI	---
1 1/8 oz	Clays	CCI 209	Rem. Fig. 8	16.0 gr/ 8,700 PSI	16.8 gr/ 9,600 PSI	---	---
1 1/8 oz	Clays	CCI 209	WAA12	16.0 gr/ 8,900 PSI	17.0 gr/ 9,800 PSI	18.1 gr/ 11,300 PSI	---
1 1/8 oz	Clays	CCI 209	Windjammer	16.0 gr/ 8,200 PSI	16.8 gr/ 8,600 PSI	18.5 gr/ 11,100 PSI	---
1 1/8 oz	Clays	CCI 209SC	Rem. Fig. 8	15.7 gr/ 8,800 PSI	16.5 gr/ 10,400 PSI	---	---
1 1/8 oz	Clays	CCI 209SC	Trapper	15.5 gr/ 10,300 PSI	16.0 gr/ 11,400 PSI	---	---
1 1/8 oz	Clays	CCI 209SC	WAA12	15.5 gr/ 9,300 PSI	16.0 gr/ 10,600 PSI	---	---
1 1/8 oz	Clays	CCI 209SC	Windjammer	16.1 gr/ 8,600 PSI	16.7 gr/ 9,100 PSI	17.8 gr/ 11,500 PSI	---
1 1/8 oz	Clays	Fed. 209A	Rem. Fig. 8	15.8 gr/ 10,700 PSI	16.6 gr/ 11,100 PSI	---	---
1 1/8 oz	Clays	Fed. 209A	Windjammer	16.0 gr/ 9,100 PSI	16.7 gr/ 10,300 PSI	18.0 gr/ 11,400 PSI	---
1 1/8 oz	Clays	Fed. 209A	WAA12	15.0 gr/ 9,700 PSI	16.0 gr/ 10,800 PSI	---	---
1 1/8 oz	Clays	Fio. 616	WAA12	15.5 gr/ 9,400 PSI	16.0 gr/ 10,900 PSI	---	---
1 1/8 oz	Clays	Rem. 209P	Red PC	17.1 gr/ 7,200 LUP	18.4 gr/ 7,800 LUP	19.6 gr/ 8,400 LUP	---
1 1/8 oz	Clays	Rem. 209P	Rem. Fig. 8	16.3 gr/ 9,000 PSI	17.3 gr/ 10,100 PSI	18.5 gr/ 11,500 PSI	---
1 1/8 oz	Clays	Rem. 209P	WAA12	15.9 gr/ 8,900 PSI	17.0 gr/ 9,400 PSI	---	---
1 1/8 oz	Clays	Rem. 209P	Windjammer	16.5 gr/ 8,100 PSI	17.5 gr/ 9,400 PSI	18.5 gr/ 10,400 PSI	---
1 1/8 oz	Clays	Win. 209	Hor. Versalite	16.4 gr/ 8,300 LUP	17.6 gr/ 9,400 LUP	18.8 gr/ 10,600 LUP	---
1 1/8 oz	Clays	Win. 209	Lage Uniwad	16.0 gr/ 9,700 PSI	16.9 gr/ 10,600 PSI	---	---
1 1/8 oz	Clays	Win. 209	Red PC	16.3 gr/ 7,900 PSI	17.0 gr/ 9,100 PSI	18.3 gr/ 10,900 PSI	---
1 1/8 oz	Clays	Win. 209	Rem. Fig. 8	16.0 gr/ 7,700 LUP	17.0 gr/ 8,500 LUP	18.1 gr/ 9,400 LUP	---
1 1/8 oz	Clays	Win. 209	WAA12	16.1 gr/ 7,700 LUP	17.3 gr/ 8,800 LUP	18.2 gr/ 9,800 LUP	---
1 1/8 oz	Internat'l	Ched. 209	Rem. Fig. 8	17.4 gr/ 7,900 PSI	18.5 gr/ 9,200 PSI	19.7 gr/ 10,500 PSI	---
1 1/8 oz	Internat'l	Ched. 209	WAA12	16.9 gr/ 8,100 PSI	18.1 gr/ 9,600 PSI	19.3 gr/ 11,100 PSI	---
1 1/8 oz	Internat'l	Ched. 209	Windjammer	17.9 gr/ 8,000 PSI	18.9 gr/ 9,200 PSI	19.8 gr/ 10,300 PSI	20.8 gr/ 11,500 PSI
1 1/8 oz	Internat'l	CCI 209	Fed. 12S3	---	19.2 gr/ 7,900 LUP	20.0 gr/ 8,300 LUP	21.6 gr/ 10,200 LUP
1 1/8 oz	Internat'l	CCI 209	Hor. Vers.	16.7 gr/ 8,600 PSI	17.2 gr/ 9,600 PSI	18.2 gr/ 11,300 PSI	---
1 1/8 oz	Internat'l	CCI 209	Red PC	17.3 gr/ 8,900 PSI	17.7 gr/ 9,400 PSI	19.0 gr/ 10,700 PSI	20.5 gr/ 11,300 PSI
1 1/8 oz	Internat'l	CCI 209	Rem. Fig. 8	17.0 gr/ 9,300 PSI	17.8 gr/ 10,100 PSI	18.5 gr/ 11,200 PSI	---
1 1/8 oz	Internat'l	CCI 209	WAA12	17.0 gr/ 9,700 PSI	17.4 gr/ 10,500 PSI	18.2 gr/ 11,400 PSI	---
1 1/8 oz	Internat'l	CCI 209	Windjammer	17.0 gr/ 8,300 PSI	17.7 gr/ 8,800 PSI	19.5 gr/ 9,800 PSI	20.5 gr/ 11,500 PSI
1 1/8 oz	Internat'l	CCI 209SC	Red PC	16.7 gr/ 8,900 PSI	17.8 gr/ 9,800 PSI	18.5 gr/ 10,300 PSI	20.5 gr/ 11,500 PSI
1 1/8 oz	Internat'l	CCI 209SC	Rem. Fig. 8	16.7 gr/ 8,600 PSI	17.5 gr/ 9,800 PSI	18.5 gr/ 10,500 PSI	---
1 1/8 oz	Internat'l	CCI 209SC	Trapper	16.5 gr/ 9,400 PSI	17.5 gr/ 9,900 PSI	---	---
1 1/8 oz	Internat'l	CCI 209SC	WAA12	16.2 gr/ 9,100 PSI	17.2 gr/ 9,800 PSI	18.5 gr/ 10,900 PSI	---

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
				1090 fps	1145 fps	1200 fps	1255 fps
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
1 1/8 oz	Internat'l	CCI 209SC	Windjammer	16.7 gr/ 8,500 PSI	17.7 gr/ 8,900 PSI	19.0 gr/ 10,600 PSI	20.7 gr/ 11,200 PSI
1 1/8 oz	Internat'l	Fed. 209A	Red PC	16.0 gr/ 9,200 PSI	17.2 gr/ 10,400 PSI	18.5 gr/ 11,500 PSI	---
1 1/8 oz	Internat'l	Fed. 209A	Rem. Fig. 8	16.5 gr/ 9,700 PSI	17.0 gr/ 10,100 PSI	18.0 gr/ 10,900 PSI	---
1 1/8 oz	Internat'l	Fed. 209A	WAA12	16.0 gr/ 9,500 PSI	16.8 gr/ 10,300 PSI	17.5 gr/ 10,900 PSI	---
1 1/8 oz	Internat'l	Fed. 209A	Windjammer	17.4 gr/ 6,900 PSI	18.0 gr/ 7,700 PSI	19.5 gr/ 9,500 PSI	21.3 gr/ 11,200 PSI
1 1/8 oz	Internat'l	Fio. 616	Rem. Fig. 8	16.3 gr/ 8,600 PSI	17.6 gr/ 9,500 PSI	18.3 gr/ 10,200 PSI	---
1 1/8 oz	Internat'l	Fio. 616	WAA12	16.3 gr/ 9,600 PSI	17.0 gr/ 11,000 PSI	---	---
1 1/8 oz	Internat'l	Rem. 209P	Hawk	16.8 gr/ 8,800 PSI	18.0 gr/ 9,800 PSI	19.0 gr/ 10,800 PSI	---
1 1/8 oz	Internat'l	Rem. 209P	Hor. Vers.	16.8 gr/ 9,000 PSI	17.8 gr/ 10,000 PSI	19.0 gr/ 11,300 PSI	---
1 1/8 oz	Internat'l	Rem. 209P	Rem. Fig. 8	---	20.1 gr/ 6,300 LUP	21.1 gr/ 7,700 LUP	22.1 gr/ 8,000 LUP
1 1/8 oz	Internat'l	Rem. 209P	WAA12	16.5 gr/ 8,900 PSI	17.8 gr/ 9,500 PSI	18.7 gr/ 11,100 PSI	---
1 1/8 oz	Internat'l	Rem. 209P	Windjammer	17.2 gr/ 8,100 PSI	18.3 gr/ 8,300 PSI	19.2 gr/ 9,000 PSI	20.8 gr/ 10,800 PSI
1 1/8 oz	Internat'l	Win. 209	Hawk	17.0 gr/ 9,000 PSI	18.0 gr/ 9,900 PSI	19.0 gr/ 10,200 PSI	20.0 gr/ 11,400 PSI
1 1/8 oz	Internat'l	Win. 209	Hor. Versalite	17.4 gr/ 7,900 LUP	18.1 gr/ 8,600 LUP	19.2 gr/ 9,800 LUP	---
1 1/8 oz	Internat'l	Win. 209	Red PC	18.3 gr/ 6,800 LUP	18.9 gr/ 7,200 LUP	20.2 gr/ 8,300 LUP	21.3 gr/ 9,700 LUP
1 1/8 oz	Internat'l	Win. 209	Rem. Fig. 8	17.3 gr/ 8,100 PSI	18.3 gr/ 9,500 PSI	---	---
1 1/8 oz	Internat'l	Win. 209	Trapper	17.0 gr/ 8,100 PSI	18.0 gr/ 9,300 PSI	19.0 gr/ 10,400 PSI	---
1 1/8 oz	Internat'l	Win. 209	WAA12	17.6 gr/ 7,400 LUP	18.1 gr/ 8,300 LUP	19.2 gr/ 9,600 LUP	21.3 gr/ 10,800 LUP
1 1/8 oz	Internat'l	Win. 209	Windjammer	17.3 gr/ 7,900 PSI	18.0 gr/ 8,600 PSI	19.5 gr/ 9,800 PSI	20.8 gr/ 10,300 PSI
1 1/8 oz	Titegrup	Rem. 209P	Rem. Fig. 8	14.7 gr/ 8,500 PSI	15.9 gr/ 9,700 PSI	17.0 gr/ 10,700 PSI	---
1 1/8 oz	Titegrup	Rem. 209P	WAA12	14.6 gr/ 8,400 PSI	15.6 gr/ 9,600 PSI	16.5 gr/ 10,600 PSI	---
1 1/8 oz	Titegrup	Win. 209	Rem. Fig. 8	14.9 gr/ 8,200 PSI	15.9 gr/ 9,200 PSI	16.9 gr/ 10,200 PSI	---
1 1/8 oz	Titegrup	Win. 209	WAA12	14.9 gr/ 7,900 PSI	15.9 gr/ 9,000 PSI	17.4 gr/ 10,400 PSI	18.4 gr/ 11,400 PSI
				1200 fps	1255 fps	1310 fps	
1 1/8 oz	Unive'sal	CCI 209	Windjammer	23.3 gr/ 8,000 PSI	24.3 gr/ 9,300 PSI	---	---
1 1/8 oz	Unive'sal	CCI 209M	Hor. Versalite	22.0 gr/ 9,900 PSI	23.0 gr/ 10,700 PSI	---	---
1 1/8 oz	Unive'sal	CCI 209SC	Windjammer	22.4 gr/ 8,200 PSI	24.0 gr/ 9,000 PSI	24.4 gr/ 9,800 PSI	---
1 1/8 oz	Unive'sal	Fed. 209A	WAA12	21.5 gr/ 9,600 PSI	22.8 gr/ 10,700 PSI	23.6 gr/ 11,300 PSI	---
1 1/8 oz	Unive'sal	Win. 209	Rem. Fig. 8	22.5 gr/ 9,000 PSI	23.5 gr/ 10,000 PSI	24.5 gr/ 10,700 PSI	---
1 1/8 oz	Unive'sal	Win. 209	WAA12	22.0 gr/ 10,000 PSI	22.7 gr/ 10,600 PSI	---	---
				1420 fps	1475 fps	1530 fps	1585 fps
1 1/8 oz	Longshot	CCI 209M	Fed. 12S3	30.9 gr/ 10,200 PSI	32.4 gr/ 11,300 PSI	---	---
1 1/8 oz	Longshot	CCI 209M	Rem. R12H	31.5 gr/ 9,200 PSI	32.9 gr/ 10,200 PSI	34.2 gr/ 11,200 PSI	---
1 1/8 oz	Longshot	CCI 209M	WAA12	30.9 gr/ 10,000 PSI	32.5 gr/ 10,900 PSI	---	---
1 1/8 oz	Longshot	CCI 209M	Windjammer	32.2 gr/ 8,700 PSI	33.7 gr/ 9,600 PSI	35.1 gr/ 10,500 PSI	---
1 1/8 oz	Longshot	Fed. 209A	Fed. 12S3	31.1 gr/ 10,300 PSI	32.2 gr/ 11,300 PSI	---	---
1 1/8 oz	Longshot	Fed. 209A	Rem. R12H	31.0 gr/ 9,800 PSI	32.6 gr/ 10,500 PSI	---	---
1 1/8 oz	Longshot	Fed. 209A	WAA12	31.0 gr/ 9,800 PSI	32.3 gr/ 10,800 PSI	---	---
1 1/8 oz	Longshot	Rem. 209P	Fed. 12S3	30.3 gr/ 10,500 PSI	31.7 gr/ 11,400 PSI	---	---
1 1/8 oz	Longshot	Rem. 209P	Rem. R12H	31.3 gr/ 9,200 PSI	32.5 gr/ 10,200 PSI	33.7 gr/ 11,300 PSI	---
1 1/8 oz	Longshot	Rem. 209P	WAA12	30.8 gr/ 9,500 PSI	32.1 gr/ 10,500 PSI	---	---
1 1/8 oz	Longshot	Rem. 209P	Windjammer	31.9 gr/ 8,800 PSI	33.7 gr/ 9,600 PSI	35.4 gr/ 10,200 PSI	---
1 1/8 oz	Longshot	Win. 209	Fed. 12S3	32.6 gr/ 8,800 PSI	34.1 gr/ 9,500 PSI	35.7 gr/ 10,300 PSI	---
1 1/8 oz	Longshot	Win. 209	Hor. Vers.	32.2 gr/ 8,600 PSI	33.6 gr/ 9,500 PSI	34.9 gr/ 10,300 PSI	---

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
				1420 fps	1475 fps	1530 fps	1585 fps
1 1/8 oz	Longshot	Win. 209	Rem. R12L	33.4 gr / 8,100 PSI	34.6 gr / 9,100 PSI	35.9 gr / 10,200 PSI	37.1 gr / 11,100 PSI
1 1/8 oz	Longshot	Win. 209	WAA12	32.1 gr / 9,200 PSI	33.2 gr / 10,100 PSI	34.4 gr / 11,100 PSI	—
				1100 fps	1150 fps	1200 fps	1250 fps
1 1/8 oz	700-X	Fed. 209A	CB 1118-12	15.0 gr / 8,500 PSI	16.0 gr / 9,400 PSI	17.5 gr / 10,700 PSI	18.5 gr / 11,500 PSI
1 1/8 oz	700-X	Fed. 209A	Fed. 12S3	15.5 gr / 9,000 PSI	16.5 gr / 9,900 PSI	18.0 gr / 11,200 PSI	—
1 1/8 oz	700-X	Fed. 209A	Rem. FIG. 8	15.5 gr / 8,900 PSI	16.5 gr / 9,600 PSI	18.0 gr / 10,600 PSI	19.0 gr / 11,200 PSI
1 1/8 oz	700-X	Fed. 209A	WAA12	15.0 gr / 9,100 PSI	16.0 gr / 10,000 PSI	17.5 gr / 11,300 PSI	—
1 1/8 oz	700-X	Fed. 209A	Windjammer	15.0 gr / 8,200 PSI	16.0 gr / 9,000 PSI	17.5 gr / 10,100 PSI	19.0 gr / 11,000 PSI
1 1/8 oz	700-X	Rem. 209P	CB 1118-12	15.5 gr / 6,900 PSI	17.0 gr / 7,900 PSI	18.0 gr / 8,900 PSI	19.5 gr / 10,400 PSI
1 1/8 oz	700-X	Rem. 209P	Fed. 12S3	15.5 gr / 7,800 PSI	16.5 gr / 8,600 PSI	18.0 gr / 9,700 PSI	19.5 gr / 10,900 PSI
1 1/8 oz	700-X	Rem. 209P	Rem. FIG. 8	16.0 gr / 7,900 PSI	17.0 gr / 8,400 PSI	18.5 gr / 9,500 PSI	19.5 gr / 10,200 PSI
1 1/8 oz	700-X	Rem. 209P	WAA12	15.5 gr / 8,200 PSI	17.0 gr / 9,000 PSI	18.5 gr / 9,800 PSI	20.0 gr / 10,800 PSI
1 1/8 oz	700-X	Rem. 209P	Windjammer	16.0 gr / 6,800 PSI	17.5 gr / 7,600 PSI	19.0 gr / 8,500 PSI	20.5 gr / 9,300 PSI
1 1/8 oz	700-X	Win. 209	CB 1118-12	15.5 gr / 8,600 PSI	16.5 gr / 9,500 PSI	17.5 gr / 10,200 PSI	19.0 gr / 11,200 PSI
1 1/8 oz	700-X	Win. 209	Fed. 12S3	15.5 gr / 9,500 PSI	16.5 gr / 10,400 PSI	17.5 gr / 11,100 PSI	—
1 1/8 oz	700-X	Win. 209	Rem. FIG. 8	15.5 gr / 8,300 PSI	16.5 gr / 9,000 PSI	18.0 gr / 10,200 PSI	19.5 gr / 11,400 PSI
1 1/8 oz	700-X	Win. 209	WAA12	15.5 gr / 9,200 PSI	16.5 gr / 10,100 PSI	17.5 gr / 10,800 PSI	—
1 1/8 oz	700-X	Win. 209	Windjammer	15.5 gr / 8,100 PSI	16.5 gr / 8,900 PSI	17.5 gr / 9,700 PSI	19.0 gr / 11,000 PSI
1 1/8 oz	PB	Fed. 209A	CB 1118-12	19.5 gr / 6,600 PSI	21.0 gr / 7,400 PSI	22.5 gr / 7,900 PSI	24.0 gr / 8,600 PSI
1 1/8 oz	PB	Fed. 209A	Fed. 12S4	19.0 gr / 7,600 PSI	20.5 gr / 8,300 PSI	22.0 gr / 9,100 PSI	23.5 gr / 10,100 PSI
1 1/8 oz	PB	Fed. 209A	Rem. RXP12	19.5 gr / 7,100 PSI	20.5 gr / 7,600 PSI	22.0 gr / 8,400 PSI	23.5 gr / 9,300 PSI
1 1/8 oz	PB	Fed. 209A	WAA12	19.0 gr / 7,500 PSI	20.5 gr / 8,200 PSI	22.0 gr / 8,900 PSI	23.5 gr / 9,700 PSI
1 1/8 oz	PB	Fed. 209A	Windjammer	19.5 gr / 6,400 PSI	21.0 gr / 7,000 PSI	22.5 gr / 7,800 PSI	24.0 gr / 8,700 PSI
1 1/8 oz	PB	Rem. 209P	CB 1118-12	20.5 gr / 5,500 PSI	21.5 gr / 6,100 PSI	23.0 gr / 7,100 PSI	24.5 gr / 7,700 PSI
1 1/8 oz	PB	Rem. 209P	Fed. 12S4	19.5 gr / 6,900 PSI	20.5 gr / 7,700 PSI	22.0 gr / 8,600 PSI	24.0 gr / 9,600 PSI
1 1/8 oz	PB	Rem. 209P	Rem. RXP12	20.0 gr / 6,400 PSI	21.0 gr / 7,000 PSI	22.5 gr / 8,000 PSI	24.0 gr / 8,900 PSI
1 1/8 oz	PB	Rem. 209P	WAA12	20.0 gr / 6,500 PSI	21.0 gr / 7,100 PSI	23.0 gr / 7,700 PSI	24.5 gr / 8,800 PSI
1 1/8 oz	PB	Rem. 209P	Windjammer	20.0 gr / 5,700 PSI	21.5 gr / 6,400 PSI	23.0 gr / 7,300 PSI	24.5 gr / 7,900 PSI
1 1/8 oz	PB	Win. 209	CB 1118-12	20.0 gr / 6,300 PSI	21.5 gr / 7,000 PSI	23.0 gr / 7,900 PSI	24.0 gr / 8,500 PSI
1 1/8 oz	PB	Win. 209	Fed. 12S4	19.5 gr / 7,400 PSI	20.5 gr / 8,000 PSI	22.0 gr / 8,900 PSI	23.5 gr / 9,900 PSI
1 1/8 oz	PB	Win. 209	Rem. RXP12	20.0 gr / 6,900 PSI	21.0 gr / 7,500 PSI	22.5 gr / 8,500 PSI	24.0 gr / 9,500 PSI
1 1/8 oz	PB	Win. 209	WAA12	19.5 gr / 6,900 PSI	21.0 gr / 7,700 PSI	22.5 gr / 8,600 PSI	24.0 gr / 9,400 PSI
1 1/8 oz	PB	Win. 209	Windjammer	20.0 gr / 6,200 PSI	21.5 gr / 6,900 PSI	23.0 gr / 7,400 PSI	24.5 gr / 8,400 PSI
1 1/8 oz	SR 7625	Fed. 209A	CB 1118-12	21.5 gr / 6,300 PSI	22.5 gr / 6,800 PSI	24.0 gr / 7,600 PSI	25.5 gr / 8,400 PSI
1 1/8 oz	SR 7625	Fed. 209A	Fed. 12S4	21.0 gr / 6,800 PSI	22.5 gr / 7,600 PSI	23.5 gr / 8,300 PSI	25.0 gr / 9,300 PSI
1 1/8 oz	SR 7625	Fed. 209A	Rem. RXP12	21.5 gr / 6,100 PSI	22.5 gr / 6,800 PSI	24.0 gr / 7,700 PSI	25.5 gr / 8,600 PSI
1 1/8 oz	SR 7625	Fed. 209A	WAA12	21.0 gr / 6,800 PSI	22.5 gr / 7,400 PSI	23.5 gr / 7,900 PSI	25.5 gr / 9,100 PSI
1 1/8 oz	SR 7625	Fed. 209A	Windjammer	22.0 gr / 5,400 PSI	23.5 gr / 6,400 PSI	24.5 gr / 7,200 PSI	25.5 gr / 7,900 PSI
1 1/8 oz	SR 7625	Rem. 209P	CB 1118-12	22.0 gr / 5,600 PSI	23.0 gr / 6,300 PSI	24.5 gr / 7,300 PSI	25.5 gr / 8,000 PSI
1 1/8 oz	SR 7625	Rem. 209P	Fed. 12S4	21.5 gr / 6,500 PSI	22.5 gr / 7,200 PSI	24.0 gr / 8,100 PSI	25.5 gr / 9,100 PSI
1 1/8 oz	SR 7625	Rem. 209P	Rem. RXP12	22.0 gr / 5,800 PSI	23.0 gr / 6,300 PSI	24.5 gr / 7,400 PSI	25.5 gr / 8,200 PSI
1 1/8 oz	SR 7625	Rem. 209P	WAA12	22.0 gr / 6,000 PSI	23.0 gr / 6,400 PSI	24.5 gr / 7,200 PSI	26.0 gr / 8,000 PSI
1 1/8 oz	SR 7625	Rem. 209P	Windjammer	22.0 gr / 5,100 PSI	23.5 gr / 5,900 PSI	24.5 gr / 6,400 PSI	26.0 gr / 7,200 PSI
1 1/8 oz	SR 7625	Win. 209	CB 1118-12	21.5 gr / 6,000 PSI	22.5 gr / 6,500 PSI	24.0 gr / 7,300 PSI	26.0 gr / 8,200 PSI
1 1/8 oz	SR 7625	Win. 209	Fed. 12S4	21.0 gr / 6,700 PSI	22.5 gr / 7,500 PSI	24.0 gr / 8,400 PSI	25.5 gr / 9,200 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
				1100 fps	1150 fps	1200 fps	1250 fps
1 1/8 oz	SR 7625	Win. 209	Rem. RXP12	22.0 gr / 6,200 PSI	23.0 gr / 6,600 PSI	24.5 gr / 7,500 PSI	26.0 gr / 8,300 PSI
1 1/8 oz	SR 7625	Win. 209	WAA12	21.0 gr / 6,400 PSI	22.5 gr / 7,300 PSI	23.5 gr / 7,900 PSI	25.5 gr / 9,600 PSI
1 1/8 oz	SR 7625	Win. 209	Windjammer	22.0 gr / 5,700 PSI	23.0 gr / 6,200 PSI	24.5 gr / 6,900 PSI	26.0 gr / 7,900 PSI
1 1/8 oz	800-X	CCI 209	CB 1118-12	21.0 gr / 5,000 PSI	22.5 gr / 5,400 PSI	24.0 gr / 6,100 PSI	25.5 gr / 6,700 PSI
1 1/8 oz	800-X	CCI 209	Fed. 12S3	20.5 gr / 5,800 PSI	22.0 gr / 6,400 PSI	23.0 gr / 6,800 PSI	24.5 gr / 7,800 PSI
1 1/8 oz	800-X	CCI 209	Rem. FIG. 8	21.0 gr / 5,200 PSI	22.0 gr / 5,700 PSI	23.5 gr / 6,300 PSI	25.5 gr / 6,900 PSI
1 1/8 oz	800-X	CCI 209	WAA12	20.5 gr / 5,800 PSI	22.0 gr / 6,500 PSI	23.0 gr / 7,000 PSI	24.5 gr / 7,700 PSI
1 1/8 oz	800-X	CCI 209	Windjammer	21.5 gr / 4,800 PSI	22.5 gr / 5,400 PSI	24.0 gr / 5,800 PSI	26.0 gr / 6,200 PSI
1 1/8 oz	800-X	Fed. 209A	CB 1118-12	20.5 gr / 5,600 PSI	22.0 gr / 6,300 PSI	23.0 gr / 6,800 PSI	24.5 gr / 7,500 PSI
1 1/8 oz	800-X	Fed. 209A	Fed. 12S3	19.5 gr / 6,400 PSI	21.0 gr / 7,100 PSI	22.5 gr / 7,800 PSI	24.0 gr / 8,500 PSI
1 1/8 oz	800-X	Fed. 209A	Rem. FIG. 8	20.5 gr / 5,200 PSI	21.5 gr / 5,700 PSI	23.0 gr / 6,700 PSI	24.5 gr / 7,700 PSI
1 1/8 oz	800-X	Fed. 209A	WAA12	20.0 gr / 6,600 PSI	21.0 gr / 7,000 PSI	22.5 gr / 7,800 PSI	24.0 gr / 8,600 PSI
1 1/8 oz	800-X	Fed. 209A	Windjammer	21.0 gr / 5,100 PSI	22.0 gr / 5,800 PSI	23.0 gr / 6,500 PSI	24.5 gr / 7,600 PSI
1 1/8 oz	800-X	Win. 209	CB 1118-12	20.0 gr / 5,800 PSI	21.5 gr / 6,500 PSI	23.0 gr / 7,100 PSI	24.5 gr / 7,800 PSI
1 1/8 oz	800-X	Win. 209	Fed. 12S3	20.0 gr / 6,500 PSI	21.5 gr / 7,100 PSI	22.5 gr / 7,600 PSI	24.0 gr / 8,400 PSI
1 1/8 oz	800-X	Win. 209	Rem. FIG. 8	20.0 gr / 6,100 PSI	21.0 gr / 6,600 PSI	22.5 gr / 7,000 PSI	24.5 gr / 7,700 PSI
1 1/8 oz	800-X	Win. 209	WAA12	20.0 gr / 6,600 PSI	21.0 gr / 7,200 PSI	22.0 gr / 7,800 PSI	24.0 gr / 8,800 PSI
1 1/8 oz	800-X	Win. 209	Windjammer	20.5 gr / 5,400 PSI	21.5 gr / 6,000 PSI	22.5 gr / 6,700 PSI	24.0 gr / 7,700 PSI
				980 fps	1035 fps	1090 fps	1145 fps
1 1/8 oz	WAALite	Ched. 209	Rem. FIG. 8	12.3 gr / 8,100 PSI	13.4 gr / 9,400 PSI	14.6 gr / 10,700 PSI	—
1 1/8 oz	WAALite	Ched. 209	WAA12	12.5 gr / 8,300 PSI	13.6 gr / 9,800 PSI	14.6 gr / 11,200 PSI	—
1 1/8 oz	WAALite	Ched. 209	WJ-12-RPL	12.2 gr / 7,700 PSI	13.3 gr / 8,800 PSI	14.5 gr / 9,900 PSI	15.6 gr / 11,000 PSI
1 1/8 oz	WAALite	Fed. 209A	Rem. FIG. 8	12.5 gr / 8,000 PSI	13.5 gr / 9,300 PSI	14.5 gr / 10,500 PSI	—
1 1/8 oz	WAALite	Fed. 209A	WAA12	12.1 gr / 8,500 PSI	13.3 gr / 10,300 PSI	—	—
1 1/8 oz	WAALite	Fed. 209A	WJ-12-RPL	12.1 gr / 7,900 PSI	13.3 gr / 9,100 PSI	14.4 gr / 10,200 PSI	—
1 1/8 oz	WAALite	Rem. 209P	Rem. FIG. 8	12.1 gr / 7,800 PSI	13.3 gr / 9,200 PSI	14.3 gr / 10,400 PSI	15.0 gr / 11,300 PSI
1 1/8 oz	WAALite	Rem. 209P	WAA12	12.2 gr / 7,800 PSI	13.2 gr / 9,300 PSI	14.1 gr / 10,700 PSI	—
1 1/8 oz	WAALite	Rem. 209P	WJ-12-RPL	12.4 gr / 7,300 PSI	13.5 gr / 8,500 PSI	14.5 gr / 9,600 PSI	15.4 gr / 10,500 PSI
1 1/8 oz	WAALite	Win. 209	Rem. FIG. 8	12.5 gr / 7,300 PSI	13.6 gr / 8,900 PSI	14.8 gr / 10,600 PSI	—
1 1/8 oz	WAALite	Win. 209	WAA12	12.3 gr / 7,700 PSI	13.3 gr / 9,200 PSI	14.2 gr / 10,500 PSI	—
1 1/8 oz	WAALite	Win. 209	WJ-12-RPL	12.6 gr / 7,200 PSI	13.7 gr / 8,500 PSI	14.7 gr / 9,600 PSI	15.5 gr / 10,500 PSI
				1145 fps	1200 fps	1255 fps	1310 fps
1 1/8 oz	WST	CCI 209	Fed. 12S3	19.0 gr / 9,500 PSI	20.5 gr / 10,800 PSI	—	—
1 1/8 oz	WST	CCI 209	Rem. FIG. 8	19.0 gr / 9,000 PSI	20.5 gr / 10,000 PSI	—	—
1 1/8 oz	WST	CCI 209	Rem. RXP12	19.5 gr / 8,800 PSI	20.5 gr / 10,300 PSI	—	—
1 1/8 oz	WST	CCI 209	WAA12	19.0 gr / 9,100 PSI	20.5 gr / 10,300 PSI	—	—
1 1/8 oz	WST	Fed. 209A	WAA12	18.5 gr / 10,700 PSI	—	—	—
1 1/8 oz	WST	Win. 209	Fed. 12S3	19.0 gr / 9,800 PSI	20.0 gr / 10,900 PSI	—	—
1 1/8 oz	WST	Win. 209	Rem. FIG. 8	19.0 gr / 8,400 PSI	20.5 gr / 10,000 PSI	—	—
1 1/8 oz	WST	Win. 209	Rem. RXP12	19.0 gr / 8,700 PSI	20.0 gr / 9,700 PSI	—	—
1 1/8 oz	WST	Win. 209	WAA12	18.5 gr / 8,600 PSI	20.0 gr / 9,800 PSI	—	—
1 1/8 oz	Super Hcp	Ched. 209	DRV-12	18.1 gr / 7,800 PSI	19.4 gr / 9,600 PSI	20.7 gr / 11,400 PSI	—
1 1/8 oz	Super Hcp	Ched. 209	Rem. FIG. 8	18.5 gr / 8,500 PSI	19.7 gr / 9,700 PSI	21.0 gr / 11,100 PSI	—
1 1/8 oz	Super Hcp	Ched. 209	WAA12	17.8 gr / 8,500 PSI	19.1 gr / 9,900 PSI	20.5 gr / 11,400 PSI	—

For complete data, visit our website at www.hodgdon.com

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
				1145 fps	1200 fps	1255 fps	1310 fps
1 1/8 oz	Super Hcp	Ched. 209	Windjammer	18.4 gr / 7,400 PSI	19.9 gr / 8,700 PSI	21.4 gr / 9,900 PSI	22.9 gr / 11,200 PSI
1 1/8 oz	Super Hcp	Fed. 209A	DRV-12	17.4 gr / 8,700 PSI	18.9 gr / 10,200 PSI	-	-
1 1/8 oz	Super Hcp	Fed. 209A	Rem. FIG. 8	18.1 gr / 8,300 PSI	19.5 gr / 9,800 PSI	20.9 gr / 11,200 PSI	-
1 1/8 oz	Super Hcp	Fed. 209A	WAA12	17.4 gr / 8,800 PSI	18.9 gr / 10,300 PSI	-	-
1 1/8 oz	Super Hcp	Fed. 209A	Windjammer	17.9 gr / 8,200 PSI	19.5 gr / 9,700 PSI	21.0 gr / 11,100 PSI	-
1 1/8 oz	Super Hcp	Rem. 209P	DRV-12	18.2 gr / 8,200 PSI	19.5 gr / 9,600 PSI	20.8 gr / 10,900 PSI	-
1 1/8 oz	Super Hcp	Rem. 209P	Rem. FIG. 8	18.1 gr / 7,700 PSI	19.6 gr / 9,400 PSI	21.0 gr / 10,900 PSI	-
1 1/8 oz	Super Hcp	Rem. 209P	WAA12	18.4 gr / 7,600 PSI	19.6 gr / 9,100 PSI	20.8 gr / 10,700 PSI	-
1 1/8 oz	Super Hcp	Rem. 209P	Windjammer	19.2 gr / 7,800 PSI	20.4 gr / 9,100 PSI	21.6 gr / 10,400 PSI	-
1 1/8 oz	Super Hcp	Win. 209	DRV-12	18.0 gr / 8,500 PSI	19.4 gr / 9,900 PSI	20.8 gr / 11,400 PSI	-
1 1/8 oz	Super Hcp	Win. 209	Rem. FIG. 8	18.4 gr / 7,200 PSI	19.7 gr / 8,800 PSI	21.0 gr / 10,400 PSI	-
1 1/8 oz	Super Hcp	Win. 209	WAA12	18.1 gr / 8,200 PSI	19.5 gr / 9,700 PSI	20.9 gr / 11,300 PSI	-
1 1/8 oz	Super Hcp	Win. 209	Windjammer	19.4 gr / 7,800 PSI	20.5 gr / 9,000 PSI	21.6 gr / 10,100 PSI	22.7 gr / 11,300 PSI
1 1/8 oz	WSF	Fed. 209A	WAA12SL	21.5 gr / 7,200 PSI	23.0 gr / 8,400 PSI	24.0 gr / 9,100 PSI	25.5 gr / 9,800 PSI
				1145 fps	1310 fps	1365 fps	1400 fps
1 1/8 oz	WSF	Win. 209	Fed. 12S3	-	27.5 gr / 8,500 PSI	28.5 gr / 9,500 PSI	29.5 gr / 10,800 PSI
1 1/8 oz	WSF	Win. 209	WAA12	-	27.5 gr / 8,700 PSI	29.0 gr / 9,900 PSI	30.0 gr / 10,600 PSI
				1220 fps	1250 fps		
1 1/4 oz	Universal	CCI 209	Rem. SP12	22.5 gr / 10,700 PSI	23.9 gr / 11,100 PSI		
1 1/4 oz	Universal	CCI 209	WAA12 F114	23.5 gr / 10,000 PSI	-		
1 1/4 oz	Universal	CCI 209M	Rem. SP12	23.3 gr / 11,100 PSI	-		
1 1/4 oz	Universal	CCI 209M	WAA12F114	22.5 gr / 11,400 PSI	-		
1 1/4 oz	Universal	Fed. 209A	Rem. SP12	22.4 gr / 11,500 PSI	-		
1 1/4 oz	Universal	Fed. 209A	WAA12F114	22.6 gr / 11,500 PSI	-		
1 1/4 oz	Universal	Rem. 209P	Rem. SP12	23.3 gr / 10,600 PSI	24.2 gr / 11,200 PSI		
1 1/4 oz	Universal	Rem. 209P	WAA12F114	23.0 gr / 11,500 PSI	-		
1 1/4 oz	Universal	Win. 209	Rem. SP12	22.8 gr / 10,700 PSI	23.3 gr / 11,400 PSI		
1 1/4 oz	Universal	Win. 209	WAA12 F114	23.0 gr / 10,900 PSI	-		
				1220 fps	1330 fps		
1 1/4 oz	HS-6	Win. 209	WAA12F114	30.0 gr / 8,800 LUP	33.0 gr / 10,500 LUP		
1 1/4 oz	HS-6	Win. 209	Rem. R12H	31.5 gr / 9,000 LUP	35.0 gr / 10,600 LUP		
1 1/4 oz	HS-6	Win. 209	Fed. 12C1	32.0 gr / 8,700 LUP	35.0 gr / 10,400 LUP		
				1330 fps	1385 fps	1440 fps	
1 1/4 oz	Longshot	CCI 209M	Rem. SP12	29.3 gr / 8,900 PSI	30.7 gr / 9,900 PSI	32.1 gr / 10,800 PSI	
1 1/4 oz	Longshot	CCI 209M	WAA12F114	29.3 gr / 10,200 PSI	30.1 gr / 11,300 PSI	-	
1 1/4 oz	Longshot	CCI 209M	Fed. 12S4	28.5 gr / 10,900 PSI	-	-	
1 1/4 oz	Longshot	Fed. 209A	Rem. SP12	28.6 gr / 9,400 PSI	30.0 gr / 10,600 PSI	-	
1 1/4 oz	Longshot	Fed. 209A	WAA12F114	27.7 gr / 10,800 PSI	-	-	
1 1/4 oz	Longshot	Rem. 209P	Fed. 12S4	28.5 gr / 11,000 PSI	-	-	
1 1/4 oz	Longshot	Rem. 209P	Rem. SP12	29.1 gr / 9,400 PSI	30.9 gr / 9,800 PSI	32.2 gr / 11,200 PSI	
1 1/4 oz	Longshot	Rem. 209P	WAA12F114	27.9 gr / 10,500 PSI	29.5 gr / 11,300 PSI	-	
1 1/4 oz	Longshot	Win. 209	Fed. 12S4	29.8 gr / 9,400 PSI	31.1 gr / 10,500 PSI	-	
1 1/4 oz	Longshot	Win. 209	Rem. SP12	30.0 gr / 8,300 PSI	31.5 gr / 9,300 PSI	33.0 gr / 10,400 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)							
				1330 fps	1385 fps	1440 fps	
1 1/4 oz	Longshot	Win. 209	WAA12F114	28.7 gr / 9,800 PSI	30.4 gr / 10,800 PSI	-	
				1225 fps	1275 fps	1325 fps	
1 1/4 oz	PB	Win. 209	WAA12R	23.5 gr / 10,500 PSI	25.0 gr / 11,500 PSI	-	
1 1/4 oz	SR 7½25	Fed. 209A	Rem. SP12	-	26.0 gr / 11,000 PSI	27.0 gr / 11,500 PSI	
1 1/4 oz	SR 7½25	Fed. 209A	WAA12R	-	26.5 gr / 10,900 PSI	27.5 gr / 11,500 PSI	
1 1/4 oz	SR 7½25	Rem. 209P	Fed. 12S4	-	26.5 gr / 10,700 PSI	28.0 gr / 11,500 PSI	
1 1/4 oz	SR 7½25	Rem. 209P	Rem. SP12	-	28.0 gr / 10,200 PSI	29.0 gr / 10,900 PSI	
1 1/4 oz	SR 7½25	Rem. 209P	WAA12R	-	28.0 gr / 9,100 PSI	29.5 gr / 10,300 PSI	
1 1/4 oz	SR 7½25	Win. 209	Fed. 12S4	25.0 gr / 10,200 PSI	26.5 gr / 11,400 PSI	-	
1 1/4 oz	SR 7½25	Win. 209	Rem. SP12	-	27.5 gr / 10,300 PSI	29.0 gr / 11,400 PSI	
1 1/4 oz	SR 7½25	Win. 209	WAA12	-	27.0 gr / 11,000 PSI	28.0 gr / 11,500 PSI	
1 1/4 oz	SR 4½56	Fed. 209A	Fed. 12S4	26.0 gr / 10,700 PSI	27.5 gr / 11,500 PSI	-	
1 1/4 oz	SR 4½56	Fed. 209A	Rem. SP12	-	28.5 gr / 10,800 PSI	29.5 gr / 11,500 PSI	
1 1/4 oz	SR 4½56	Fed. 209A	WAA12R	-	28.5 gr / 10,600 PSI	30.0 gr / 11,500 PSI	
1 1/4 oz	SR 4½56	Rem. 209P	Fed. 12S4	29.5 gr / 8,400 PSI	-	-	
1 1/4 oz	SR 4½56	Rem. 209P	Rem. RP12	-	30.5 gr / 9,600 PSI	31.5 gr / 10,600 PSI	
1 1/4 oz	SR 4½56	Rem. 209P	WAA12R	-	31.5 gr / 8,200 PSI	33.0 gr / 9,000 PSI	
1 1/4 oz	SR 4½56	Win. 209	Fed. 12S4	27.5 gr / 9,500 PSI	-	-	
1 1/4 oz	SR 4½56	Win. 209	Rem. SP12	-	30.0 gr / 10,000 PSI	31.5 gr / 11,000 PSI	
1 1/4 oz	SR 4½56	Win. 209	WAA12R	-	30.5 gr / 9,400 PSI	32.0 gr / 10,300 PSI	
1 1/4 oz	800->	Fed. 209A	Fed. 12S4	-	24.5 gr / 10,600 PSI	26.0 gr / 11,500 PSI	
1 1/4 oz	800->	Fed. 209A	Rem. SP12	-	25.0 gr / 9,800 PSI	26.5 gr / 10,700 PSI	
1 1/4 oz	800->	Fed. 209A	WAA12	-	24.5 gr / 10,400 PSI	26.0 gr / 11,400 PSI	
1 1/4 oz	800->	Fed. 209A	Windjammer	-	24.5 gr / 9,300 PSI	26.0 gr / 10,000 PSI	
1 1/4 oz	800->	Rem. 209P	Fed. 12S4	-	26.0 gr / 8,600 PSI	27.5 gr / 9,600 PSI	
1 1/4 oz	800->	Rem. 209P	Rem. SP12	-	27.5 gr / 7,800 PSI	29.0 gr / 8,500 PSI	
1 1/4 oz	800->	Rem. 209P	WAA12	-	27.0 gr / 8,200 PSI	28.5 gr / 9,600 PSI	
1 1/4 oz	800->	Rem. 209P	Windjammer	-	26.0 gr / 8,100 PSI	28.5 gr / 9,000 PSI	
1 1/4 oz	800->	Win. 209	Fed. 12S3	-	25.0 gr / 10,000 PSI	26.5 gr / 10,900 PSI	
1 1/4 oz	800->	Win. 209	Rem. SP12	-	25.0 gr / 9,400 PSI	26.5 gr / 10,200 PSI	
1 1/4 oz	800->	Win. 209	WAA12	-	25.0 gr / 9,900 PSI	26.5 gr / 10,700 PSI	
1 1/4 oz	800->	Win. 209	Windjammer	-	25.5 gr / 9,000 PSI	27.0 gr / 10,000 PSI	
				1220 fps	1275 fps	1310 fps	1330 fps
1 1/4 oz	WSF	CCI 209	Rem. RXP12	-	29.0 gr / 10,400 PSI	-	-
1 1/4 oz	WSF	CCI 209	Rem. SP12	-	-	-	28.0 gr / 9,800 PSI
1 1/4 oz	WSF	Fed. 209A	WAA12F114	-	-	27.0 gr / 10,700 PSI	-
1 1/4 oz	WSF	Win. 209	Fed. 12S4	26.0 gr / 9,000 PSI	27.5 gr / 10,900 PSI	-	-
1 1/4 oz	WSF	Win. 209	WAA12F114	-	28.0 gr / 9,700 PSI	-	29.5 gr / 10,600 PSI
				1185 fps	1240 fps	1295 fps	
1 3/8 oz	Longshot	CCI 209M	BP Ultra Short Euro	23.7 gr / 9,300 PSI	25.1 gr / 10,600 PSI	-	
1 3/8 oz	Longshot	CCI 209M	Rem. RP12	23.1 gr / 10,200 PSI	24.8 gr / 10,900 PSI	-	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
12 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA AND HS PLASTIC SHELLS (CONT.)						
				1185 fps	1240 fps	1295 fps
1 3/8 oz	Longshot	CCI 209M	WAA12R	23.5 gr / 9,700 PSI	25.2 gr / 11,000 PSI	—
1 3/8 oz	Longshot	FED. 209A	BP Ultra Short Euro	24.0 gr / 9,500 PSI	25.4 gr / 10,600 PSI	—
1 3/8 oz	Longshot	FED. 209A	Rem. RP12	23.6 gr / 9,500 PSI	25.3 gr / 10,700 PSI	—
1 3/8 oz	Longshot	FED. 209A	WAA12R	23.5 gr / 10,100 PSI	25.2 gr / 10,900 PSI	—
1 3/8 oz	Longshot	REM. 209P	BP Ultra Short Euro	23.9 gr / 8,900 PSI	25.6 gr / 10,300 PSI	—
1 3/8 oz	Longshot	REM. 209P	Rem. RP12	23.5 gr / 9,500 PSI	25.6 gr / 10,200 PSI	27.5 gr / 11,100 PSI
1 3/8 oz	Longshot	REM. 209P	WAA12R	24.3 gr / 8,800 PSI	25.7 gr / 10,200 PSI	27.0 gr / 11,500 PSI
1 3/8 oz	Longshot	WIN. 209	BP Ultra Short Euro	24.4 gr / 9,000 PSI	26.1 gr / 10,300 PSI	27.8 gr / 11,500 PSI
1 3/8 oz	Longshot	WIN. 209	Rem. RP12	24.5 gr / 8,500 PSI	26.4 gr / 9,600 PSI	28.3 gr / 10,800 PSI
1 3/8 oz	Longshot	WIN. 209	WAA12R	24.6 gr / 8,700 PSI	26.4 gr / 9,800 PSI	28.1 gr / 10,900 PSI
				1200 fps	1250 fps	1300 fps
1 3/8 oz	SR 4756	Fed. 209A	Rem. SP12	27.5 gr / 11,200 PSI	—	—
1 3/8 oz	SR 4756	Fed. 209A	WAA12R	27.0 gr / 10,900 PSI	—	—
1 3/8 oz	SR 4756	Rem. 209P	Rem. RP12	—	31.0 gr / 10,900 PSI	—
1 3/8 oz	SR 4756	Rem. 209P	WAA12R	—	—	32.0 gr / 10,600 PSI
1 3/8 oz	SR 4756	Win. 209	Rem. SP12	—	28.5 gr / 11,000 PSI	—
1 3/8 oz	SR 4756	Win. 209	WAA12R	—	30.0 gr / 11,200 PSI	—
1 3/8 oz	800-X	Fed. 209A	Fed. 12S4	22.5 gr / 11,100 PSI	—	—
1 3/8 oz	800-X	Fed. 209A	Rem. SP12	—	25.0 gr / 11,100 PSI	—
1 3/8 oz	800-X	Fed. 209A	WAA12R	—	25.5 gr / 11,000 PSI	—
1 3/8 oz	800-X	Rem. 209P	Fed. 12S4	—	—	27.0 gr / 11,100 PSI
1 3/8 oz	800-X	Rem. 209P	Rem. RP12	—	—	30.0 gr / 11,200 PSI
1 3/8 oz	800-X	Rem. 209P	WAA12R	—	—	29.0 gr / 10,100 PSI
1 3/8 oz	800-X	Win. 209	Fed. 12S4	23.5 gr / 11,100 PSI	—	—
1 3/8 oz	800-X	Win. 209	Rem. SP1	—	26.0 gr / 11,100 PSI	—
1 3/8 oz	800-X	Win. 209	WAA12R	—	—	26.0 gr / 11,000 PSI
				1205 fps	1260 fps	
1 1/2 oz	Longshot	CCI 209M	Rem. SP12	25.9 gr / 11,400 PSI	—	
1 1/2 oz	Longshot	CCI 209M	WAA12R	25.0 gr / 11,300 PSI	—	
1 1/2 oz	Longshot	FED. 209A	Rem. RP12	25.5 gr / 11,100 PSI	—	
1 1/2 oz	Longshot	FED. 209A	WAA12R	25.0 gr / 11,000 PSI	—	
1 1/2 oz	Longshot	Rem. 209P	Rem. RP12	25.5 gr / 11,100 PSI	—	
1 1/2 oz	Longshot	Rem. 209P	WAA12R	26.0 gr / 10,800 PSI	—	
1 1/2 oz	Longshot	Win. 209	Rem. RP12	27.0 gr / 9,900 PSI	28.0 gr / 11,400 PSI	
1 1/2 oz	Longshot	Win. 209	WAA12R	26.4 gr / 10,100 PSI	28.0 gr / 11,500 PSI	
12 GA., 3", FEDERAL PLASTIC SHELL, 7/16" BASE WAD						
				1250 fps	1300 fps	1350 fps
1 1/2 oz	800-X	Win. 209	Fed. 12S4	29.0 gr / 10,600 PSI	—	—
1 1/2 oz	800-X	Win. 209	Rem. R12H	—	30.0 gr / 10,500 PSI	—
1 1/2 oz	SR 4756	Fed. 209A	Rem. RP12	—	33.5 gr / 10,800 PSI	—
1 1/2 oz	SR 4756	Fed. 209A	WAA12R	33.0 gr / 10,700 PSI	—	—
1 1/2 oz	SR 4756	Rem. 209P	Rem. RP12	—	37.0 gr / 9,100 PSI	—
1 1/2 oz	SR 4756	Rem. 209P	WAA12R	—	37.0 gr / 9,600 PSI	—
1 1/2 oz	SR 4756	Win. 209	Rem. RP12	—	37.0 gr / 9,900 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
12 GA., 3", FEDERAL PLASTIC SHELL, 7/16" BASE WAD (CONT.)						
				1250 fps	1300 fps	1350 fps
1 1/2 oz	SR 4756	Win. 209	WAA12R	—	37.0 gr / 10,400 PSI	—
1 1/2 oz	800-X	Fed. 209A	Fed. 12S4	27.5 gr / 10,800 PSI	—	—
1 1/2 oz	800-X	Fed. 209A	Rem. R12H	29.0 gr / 10,700 PSI	—	—
1 1/2 oz	800-X	Rem. 209P	Fed. 12S4	—	31.0 gr / 10,600 PSI	—
1 1/2 oz	800-X	Rem. 209P	Rem. R12H	—	—	33.0 gr / 10,600 PSI
				1225 fps	1280 fps	1335 fps
1 5/8 oz	Longshot	CCI209M	Fed. 12S4	28.3 gr / 10,600 PSI	—	—
1 5/8 oz	Longshot	CCI209M	WAA12	28.8 gr / 10,200 PSI	30.8 gr / 11,200 PSI	—
1 5/8 oz	Longshot	Fed. 209A	Fed. 12S4	28.3 gr / 10,800 PSI	—	—
1 5/8 oz	Longshot	Fed. 209A	WAA12	29.1 gr / 10,000 PSI	—	—
1 5/8 oz	Longshot	Win. 209	Fed. 12S4	30.0 gr / 10,300 PSI	—	—
1 5/8 oz	Longshot	Win. 209	WAA12	30.9 gr / 9,500 PSI	32.0 gr / 10,600 PSI	—
				1175 fps	1200 fps	1225 fps
1 5/8 oz	SR 4756	Fed. 209A	Rem. RP12	31.0 gr / 11,000 PSI	—	—
1 5/8 oz	SR 4756	Fed. 209A	WAA12R	31.0 gr / 10,800 PSI	—	—
1 5/8 oz	SR 4756	Rem. 209P	Rem. RP12	—	—	34.5 gr / 10,800 PSI
1 5/8 oz	SR 4756	Rem. 209P	WAA12R	—	—	35.5 gr / 10,900 PSI
1 5/8 oz	SR 4756	Win. 209	Rem. RP12	—	—	36.0 gr / 10,800 PSI
1 5/8 oz	SR 4756	Win. 209	WAA12R	—	—	35.5 gr / 10,800 PSI
1 5/8 oz	800-X	Fed. 209A	Rem. SP12	26.0 gr / 10,800 PSI	—	—
1 5/8 oz	800-X	Fed. 209A	WAA12R	26.0 gr / 10,800 PSI	—	—
1 5/8 oz	800-X	Rem. 209P	Rem. SP12	—	28.0 gr / 10,800 PSI	—
1 5/8 oz	800-X	Rem. 209P	WAA12R	—	27.5 gr / 10,900 PSI	—
1 5/8 oz	800-X	Win. 209	Rem. SP12	—	—	29.0 gr / 10,900 PSI
1 5/8 oz	800-X	Win. 209	WAA12R	—	—	28.5 gr / 11,000 PSI
				1150 fps	1175 fps	
1 3/4 oz	800-X	Fed. 209A	WAA12R	25.5 gr / 10,700 PSI	—	
1 3/4 oz	800-X	Rem. 209P	Rem. RP12	—	28.0 gr / 10,500 PSI	
1 3/4 oz	800-X	Rem. 209P	WAA12R	—	28.0 gr / 10,600 PSI	
1 3/4 oz	800-X	Win. 209	Rem. RP12	27.5 gr / 10,600 PSI	—	
1 3/4 oz	800-X	Win. 209	WAA12R	—	27.5 gr / 10,800 PSI	
				1155 fps	1210 fps	
1 7/8 oz	Longshot	CCI209M	Rem. SP12	27.7 gr / 10,600 PSI	—	
1 7/8 oz	Longshot	Fed. 209A	Rem. SP12	27.1 gr / 11,200 PSI	—	
1 7/8 oz	Longshot	Win. 209	Rem. SP12	27.9 gr / 9,900 PSI	29.5 gr / 11,400 PSI	
1 7/8 oz	Longshot	Win. 209	Win. WAA12R + .070" card	28.0 gr / 10,500 PSI	—	
12 GA., 3", FIOCCHI PLASTIC SHELL						
				1155 fps		
1 7/8 oz	Longshot	Ched. 209	Rem. SP12	27.2 gr / 10,800 PSI		
1 7/8 oz	Longshot	Ched. 209	WAA12R	27.0 gr / 10,800 PSI		
1 7/8 oz	Longshot	Fio. 616	Rem. SP12	27.5 gr / 10,800 PSI		
1 7/8 oz	Longshot	Fio. 616	WAA12R	26.9 gr / 10,900 PSI		

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
12 GA., 3", REMINGTON-PETERS PLASTIC GAME SHELLS						
				1275 fps	1300 fps	1325 fps
1 1/2 oz	SR 7625	Win. 209	Rem. RXP12	34.0 gr / 10,600 PSI	—	—
1 1/2 oz	SR 7625	Win. 209	Rem. SP12	33.5 gr / 10,700 PSI	—	—
1 1/2 oz	SR 4756	Win. 209	Rem. SP12	—	—	38.5 gr / 10,500 PSI
1 1/2 oz	800-X	Win. 209	Rem. SP12	—	30.5 gr / 10,600 PSI	—
1 1/2 oz	800-X	Win. 209	WAA12	29.5 gr / 10,800 PSI	—	—
				1225 fps	1280 fps	1335 fps
1 5/8 oz	Longshot	CCI209M	Rem. SP12	28.9 gr / 9,700 PSI	31.0 gr / 10,600 PSI	—
1 5/8 oz	Longshot	CCI209M	WAA12F114	28.0 gr / 10,400 PSI	—	—
1 5/8 oz	Longshot	Rem. 209P	Rem. SP12	29.7 gr / 9,000 PSI	31.3 gr / 10,200 PSI	—
1 5/8 oz	Longshot	Rem. 209P	WAA12F114	29.0 gr / 10,300 PSI	—	—
1 5/8 oz	Longshot	Win. 209	Rem. SP12	29.9 gr / 9,300 PSI	32.2 gr / 10,300 PSI	34.4 gr / 11,200 PSI
1 5/8 oz	Longshot	Win. 209	WAA12F114	29.8 gr / 9,600 PSI	31.2 gr / 11,300 PSI	—
				1150 fps	1200 fps	1250 fps
1 5/8 oz	SR 4756	Fed. 209A	Rem. RP12	30.5 gr / 10,900 PSI	—	—
1 5/8 oz	SR 4756	Fed. 209A	WAA12R	—	30.0 gr / 11,000 PSI	—
1 5/8 oz	SR 4756	Rem. 209P	Rem. RP12	—	—	34.0 gr / 10,900 PSI
1 5/8 oz	SR 4756	Rem. 209P	WAA12R	—	—	34.0 gr / 10,900 PSI
1 5/8 oz	SR 4756	Win. 209	Rem. RP12	—	—	33.5 gr / 10,800 PSI
1 5/8 oz	SR 4756	Win. 209	WAA12R	—	—	35.0 gr / 11,000 PSI
1 5/8 oz	800-X	Fed. 209A	Rem. R12H	25.5 gr / 10,900 PSI	—	—
1 5/8 oz	800-X	Fed. 209A	WAA12	25.5 gr / 10,900 PSI	—	—
1 5/8 oz	800-X	Rem. 209P	Rem. SP12	—	28.0 gr / 10,900 PSI	—
1 5/8 oz	800-X	Rem. 209P	WAA12	—	27.5 gr / 10,800 PSI	—
1 5/8 oz	800-X	Win. 209	Rem. SP12	—	28.0 gr / 10,800 PSI	—
1 5/8 oz	800-X	Win. 209	WAA12	—	28.0 gr / 10,800 PSI	—
				1155 fps	1210 fps	
1 7/8 oz	Longshot	CCI209M	Rem. SP12	27.6 gr / 10,900 PSI	—	
1 7/8 oz	Longshot	Rem. 209P	Rem. SP12	28.4 gr / 11,000 PSI	—	
1 7/8 oz	Longshot	Win. 209	Rem. SP12	29.1 gr / 8,600 PSI	30.8 gr / 11,000 PSI	
12 GA., 3", WINCHESTER POLYFORMED PLASTIC GAME SHELLS (PLASTIC BASEWAD)						
				1225 fps	1280 fps	1335 fps
1 5/8 oz	Longshot	CCI209M	Rem. R12L	31.6 gr / 9,800 PSI	32.9 gr / 10,200 PSI	34.5 gr / 11,400 PSI
1 5/8 oz	Longshot	CCI209M	WAA12F114	—	31.6 gr / 10,700 PSI	—
1 5/8 oz	Longshot	Rem. 209P	Rem. R12L	32.2 gr / 8,500 PSI	33.9 gr / 9,200 PSI	35.7 gr / 10,000 PSI
1 5/8 oz	Longshot	Rem. 209P	WAA12F114	—	31.4 gr / 10,400 PSI	—
1 5/8 oz	Longshot	Win. 209	Rem. R12L	33.6 gr / 7,200 PSI	34.8 gr / 8,700 PSI	36.1 gr / 10,300 PSI
1 5/8 oz	Longshot	Win. 209	WAA12F114	—	32.7 gr / 10,400 PSI	34.0 gr / 11,500 PSI
				1155 fps	1210 fps	
1 7/8 oz	Longshot	CCI209M	Rem. SP12	28.5 gr / 9,900 PSI	31.0 gr / 11,500 PSI	
1 7/8 oz	Longshot	CCI209M	WAA12R + .070" card	28.5 gr / 10,400 PSI	—	
1 7/8 oz	Longshot	Rem. 209P	Rem. SP12	29.9 gr / 8,300 PSI	31.0 gr / 11,100 PSI	
1 7/8 oz	Longshot	Rem. 209P	WAA12R + .070" card	29.3 gr / 9,500 PSI	30.9 gr / 11,500 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
12 GA., 3", WINCHESTER POLYFORMED PLASTIC GAME SHELLS (PLASTIC BASEWAD) (CONT.)						
				1155 fps	1210 fps	
1 7/8 oz	Longshot	Win. 209	Rem. SP12	30.2 gr / 9,500 PSI	32.0 gr / 10,700 PSI	
1 7/8 oz	Longshot	Win. 209	WAA12R + .070" card	29.5 gr / 8,800 PSI	31.3 gr / 11,000 PSI	
12 GA., 3" WINCHESTER COMPRESSION-FORMED SUPER-X TYPE SHELLS						
				1200 fps	1250 fps	1300 fps
1 5/8 oz	SR 4'56	Fed. 209A	Rem. SP12	33.0 gr / 10,900 PSI	—	—
1 5/8 oz	SR 4'56	Fed. 209A	WAA12F114	31.0 gr / 10,800 PSI	—	—
1 5/8 oz	SR 4'56	Rem. 209P	Rem. RP12	—	—	35.5 gr / 10,900 PSI
1 5/8 oz	SR 4'56	Rem. 209P	WAA12R	—	—	37.5 gr / 11,000 PSI
1 5/8 oz	SR 4'56	Win. 209	Rem. RP12	—	—	37.5 gr / 11,000 PSI
1 5/8 oz	SR 4'56	Win. 209	WAA12R	—	—	38.5 gr / 10,900 PSI
1 5/8 oz	800-X	Fed. 209A	Rem. RXP12	28.5 gr / 11,000 PSI	—	—
1 5/8 oz	800-X	Fed. 209A	WAA12	28.0 gr / 10,800 PSI	—	—
1 5/8 oz	800-X	Rem. 209P	Rem. RXP12	—	31.5 gr / 11,000 PSI	—
1 5/8 oz	800-X	Rem. 209P	WAA12	—	30.0 gr / 10,900 PSI	—
1 5/8 oz	800-X	Win. 209	Rem. RXP12	—	30.5 gr / 11,000 PSI	—
1 5/8 oz	800-X	Win. 209	WAA12	—	30.5 gr / 11,000 PSI	—
12 GA., 3 1/2", FEDERAL STEEL SHOTSHELLS (LEAD SHOT LOADS)						
				1250 fps	1300 fps	
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S0 + 1-20 ga. .135" Card	36.3 gr / 12,200 PSI	—	
1 7/8 oz	Longshot	Fed. 209A	WAA12L + 1-20 ga. .135" Card	37.0 gr / 12,300 PSI	—	
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1-20 ga. .135" Card	37.0 gr / 12,500 PSI	—	
				1250 fps	1300 fps	
1 7/8 oz	Longshot	Rem. 209P	Fed. 12S0 + 1-20 ga. .135" Card	37.8 gr / 11,400 PSI	39.4 gr / 13,300 PSI	
1 7/8 oz	Longshot	Rem. 209P	WAA12L + 1-20 ga. .135" Card	37.3 gr / 12,100 PSI	39.2 gr / 13,400 PSI	
1 7/8 oz	Longshot	Rem. 209P	WAA12SL + 1-20 ga. .135" Card	36.8 gr / 12,400 PSI	39.0 gr / 13,000 PSI	
				1200 fps		
2 oz	Longshot	Fed. 209A	Fed. 12S3 + 1-20 ga. .135" Card	35.0 gr / 12,900 PSI		
2 oz	Longshot	Fed. 209A	WAA12SL	34.8 gr / 13,300 PSI		
2 oz	Longshot	Rem. 209P	Fed. 12S3 + 1-20 ga. .135" Card	35.5 gr / 12,400 PSI		
2 oz	Longshot	Rem. 209P	WAA12SL	35.3 gr / 12,300 PSI		
				1150 fps		
2 1/4 oz	Longshot	Fed. 209A	Fed. 12S3	32.0 gr / 13,700 PSI		
2 1/4 oz	Longshot	Fed. 209A	Rem. RXP	31.0 gr / 13,200 PSI		

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*	
12 GA., 3 1/2", FEDERAL STEEL SHOTSHELLS (LEAD SHOT LOADS) (CONT.)					
1150 fps					
2 1/4 oz	Longshot	Fed. 209A	WAA12	31.0 gr/13,700 PSI	
2 1/4 oz	Longshot	Rem. 209P	Fed. 12S3	33.0 gr/12,900 PSI	
2 1/4 oz	Longshot	Rem. 209P	Rem. RXP	33.0 gr/12,600 PSI	
2 1/4 oz	Longshot	Rem. 209P	WAA12	33.0 gr/13,400 PSI	
12 GA., 3 1/2", REMINGTON STEEL SHOTSHELLS (LEAD SHOT LOADS)					
1250 fps					
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S0 + 1-20 ga. .135" Card	36.0 gr/ 13,600 PSI	
1 7/8 oz	Longshot	Fed. 209A	Rem. TGT12 + 1-20 ga. .135" Card	36.0 gr/ 13,200 PSI	
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1-20 ga. .135" Card	36.1 gr/ 13,000 PSI	
1 7/8 oz	Longshot	Rem. 209P	Fed. 12S0 + 1-20 ga. .135" Card	36.4 gr/ 13,000 PSI	
1 7/8 oz	Longshot	Rem. 209P	Rem. TGT12 + 1-20 ga. .135" Card	36.0 gr/ 13,100 PSI	
1 7/8 oz	Longshot	Rem. 209P	WAA12SL + 1-20 ga. .135" Card	36.5 gr/ 13,200 PSI	
1200 fps					
2 oz	Longshot	Fed. 209A	Rem. TGT12	33.8 gr/ 13,000 PSI	
2 oz	Longshot	Rem. 209P	Fed. 12S3 + 1-20 ga. .135" Card	34.0 gr/ 13,300 PSI	
2 oz	Longshot	Rem. 209P	Rem. TGT12	34.0 gr/ 13,300 PSI	
1150 fps 1175 fps					
2 1/4 oz	Longshot	Fed. 209A	Fed. 12S3	29.4 gr/ 13,100 PSI	29.9 gr / 13,600 PSI
2 1/4 oz	Longshot	Fed. 209A	Rem. RXP	29.3 gr/ 13,300 PSI	30.0 gr / 13,900 PSI
2 1/4 oz	Longshot	Fed. 209A	WAA12	29.5 gr/ 13,600 PSI	—
2 1/4 oz	Longshot	Rem. 209P	Rem. RXP	31.0 gr/ 13,700 PSI	—
2 1/4 oz	Longshot	Rem. 209P	WAA12	30.0 gr/ 13,000 PSI	30.9 gr / 13,500 PSI
12 GA., 3 1/2", WINCHESTER STEEL SHOTSHELLS (LEAD SHOT LOADS)					
1250 fps 1300 fps					
1 7/8 oz	Longshot	Fed. 209A	Fed. 12S3 + 1-20 ga. .135" Card	35.5 gr/ 13,400 PSI	—
1 7/8 oz	Longshot	Fed. 209A	WAA12 + 1-20 ga. .135" Card	35.9 gr/ 13,000 PSI	—
1 7/8 oz	Longshot	Fed. 209A	WAA12SL + 1-20 ga. .135" Card	37.0 gr/ 12,800 PSI	—
1 7/8 oz	Longshot	Win. 209	Fed. 12S3 + 1-20 ga. .135" Card	37.9 gr/ 11,200 PSI	39.5 gr / 12,400 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
12 GA., 3 1/2", WINCHESTER STEEL SHOTSHELLS (LEAD SHOT LOADS) (CONT.)						
1250 fps 1300 fps						
1 7/8 oz	Longshot	Win. 209	WAA12 + 1-20 ga. .135" Card	37.2 gr/ 11,900 PSI	39.8 gr / 13,100 PSI	
1 7/8 oz	Longshot	Win. 209	WAA12SL + 1-20 ga. .135" Card	38.6 gr/ 11,100 PSI	—	
1200 fps						
2 oz	Longshot	Fed. 209A	Fed. 12S3 + 1-20 ga. .135" Card	34.2 gr/ 13,400 PSI		
2 oz	Longshot	Fed. 209A	WAA12 + 1-20 ga. .135" Card	35.0 gr/ 13,200 PSI		
2 oz	Longshot	Win. 209	Fed. 12S3 + 1-20 ga. .135" Card	38.0 gr/ 11,300 PSI		
2 oz	Longshot	Win. 209	WAA12 + 1-20 ga. .135" Card	36.0 gr/ 12,800 PSI		
1150 fps						
2 1/4 oz	Longshot	Rem. 209P	Fed. 12S4 + 1-20 ga. .135" Card	31.0 gr/ 13,500 PSI		
2 1/4 oz	Longshot	Rem. 209P	Rem. R12H + 1-20 ga. .135" Card	31.5 gr/ 12,400 PSI		
2 1/4 oz	Longshot	Rem. 209P	WAA12F114 + 1-20 ga. .135" Card	32.0 gr/ 14,000 PSI		
2 1/4 oz	Longshot	Win. 209	Fed. 12S4	31.5 gr/ 13,300 PSI		
2 1/4 oz	Longshot	Win. 209	Rem. R12H + 1-20 ga. .135" Card	32.0 gr/ 13,200 PSI		
2 1/4 oz	Longshot	Win. 209	WAA12F114 + 1-20 ga. .135" Card	32.0 gr/ 12,600 PSI		
16 GA., 2 3/4", FEDERAL HI POWER PLASTIC PAPER BASE WAD SHELLS						
1165 fps 1220 fps 1275 fps						
1 oz	Universal	CCI 209M	Activ G-20	21.5 gr/ 7,500 PSI	22.5 gr/ 8,200 PSI	24.2 gr/ 9,000 PSI
1 oz	Universal	Fed. 209A	BPG/BP	21.0gr / 7,400 PSI	22.0 gr/ 8,200 PSI	23.5 gr/ 9,200 PSI
1 oz	Universal	Win. 209	WAA16	20.7 gr/ 7,600 PSI	22.3 gr/ 8,200 PSI	23.5 gr/ 8,900 PSI
1275 fps 1325 fps 1350 fps 1375 fps						
1 oz	PB	Fed. 209A	WAA16	21.5 gr/ 11,000 PSI	—	—
1 oz	PB	Rem. 209P	Rem. SP16	—	—	25.0 gr / 11,200 PSI
1 oz	PB	Win. 209	WAA16	—	23.5 gr / 11,200 PSI	—
1 oz	SR 7625	Fed. 209A	WAA16	—	—	24.5 gr / 11,000 PSI
1 oz	SR 7625	Rem. 209P	Rem. SP16	—	—	26.5 gr / 10,400 PSI
1325 fps						
1 oz	SR 7625	Win. 209	WAA16	25.0 gr / 9,900 PSI		
1200 fps 1250 fps 1350 fps 1375 fps						
1 oz	SR 4756	Fed. 209A	WAA16	—	25.0 gr / 8,500 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
16 GA., 2 3/4", FEDERAL HI POWER PLASTIC PAPER BASE WAD SHELLS (CONT.)							
				1200 fps	1250 fps	1350 fps	1375 fps
1 oz	SR 4756	Rem. 209P	Rem. SP16	27.0 gr / 6,400 PSI	—	—	—
1 oz	SR 4756	Win. 209	WAA16	25.0 gr / 7,200 PSI	—	—	—
1 oz	800-X	Fed. 209A	Rem. SP16	—	—	—	24.0 gr / 10,400 PSI
1 oz	800-X	Rem. 209P	Rem. SP16	—	—	25.0 gr / 8,300 PSI	—
1 oz	800-X	Win. 209	WAA16	—	—	—	24.5 gr / 10,200 PSI
				1200 fps	1250 fps	1300 fps	
1 1/8 oz	PB	Rem. 209P	Rem. SP16	21.0 gr / 10,500 PSI	—	—	
1 1/8 oz	PB	Win. 209	Rem. SP16	20.5 gr / 11,000 PSI	—	—	
1 1/8 oz	SR 7625	Fed. 209A	Rem. SP16	22.0 gr / 11,000 PSI	—	—	
1 1/8 oz	SR 7625	Rem. 209P	Rem. SP16	23.0 gr / 9,000 PSI	—	—	
1 1/8 oz	SR 7625	Win. 209	Rem. SP16	—	23.0 gr / 10,800 PSI	—	
1 1/8 oz	800-X	Fed. 209A	Rem. SP16	—	—	22.5 gr / 11,000 PSI	
1 1/8 oz	800-X	Rem. 209P	Rem. SP16	—	—	24.5 gr / 10,100 PSI	
1 1/8 oz	800-X	Win. 209	Rem. SP16	—	—	22.5 gr / 10,800 PSI	
16 GA., 2 3/4", REMINGTON SP PLASTIC SHELLS							
				1165 fps	1220 fps	1275 fps	
1 oz	Universal	CCI 209M	BPG/BP	19.5 gr / 8,400 PSI	20.5 gr / 9,600 PSI	21.5 gr / 10,300 PSI	
1 oz	Universal	Win. 209	REM. SP16	18.5 gr / 8,800 PSI	19.8 gr / 9,900 PSI	20.5 gr / 10,400 PSI	
1 oz	Universal	Win. 209	WAA16	18.5 gr / 9,000 PSI	19.5 gr / 9,900 PSI	20.5 gr / 10,400 PSI	
				1200 fps	1250 fps	1300 fps	1350 fps
1 oz	PB	Fed. 209A	Rem. SP16	17.5 gr / 11,200 PSI	—	—	—
1 oz	PB	Rem. 209P	Rem. SP16	—	20.0 gr / 10,700 PSI	—	—
1 oz	PB	Win. 209	WAA16	19.0 gr / 11,000 PSI	—	—	—
1 oz	SR 7625	Fed. 209A	Rem. SP16	—	21.0 gr / 11,200 PSI	—	—
1 oz	SR 7625	Rem. 209P	Rem. SP16	—	—	23.5 gr / 11,200 PSI	—
1 oz	SR 7625	Win. 209	WAA16	—	—	22.5 gr / 11,200 PSI	—
1 oz	SR 4756	Fed. 209A	Rem. SP16	—	—	23.5 gr / 11,000 PSI	—
1 oz	SR 4756	Rem. 209P	Rem. SP16	—	—	—	29.0 gr / 10,100 PSI
1 oz	800-X	Fed. 209A	Rem. SP16	—	—	20.5 gr / 11,200 PSI	—
1 oz	800-X	Rem. 209P	Rem. SP16	—	—	—	24.0 gr / 11,100 PSI
1 oz	800-X	Win. 209	WAA16	—	—	21.5 gr / 11,000 PSI	—
				1175 fps	1200 fps	1225 fps	
1 1/8 oz	SR 7625	Rem. 209P	Rem. SP16	—	22.0 gr / 11,000 PSI	—	
1 1/8 oz	SR 7625	Win. 209	Rem. SP16	21.0 gr / 10,900 PSI	—	—	
1 1/8 oz	SR 4756	Fed. 209A	Rem. SP16	22.0 gr / 10,900 PSI	—	—	
1 1/8 oz	SR 4756	Rem. 209P	Rem. SP16	24.0 gr / 9,500 PSI	—	—	
1 1/8 oz	SR 4756	Win. 209	Rem. SP16	—	—	23.5 gr / 11,000 PSI	
1 1/8 oz	800-X	Fed. 209A	Rem. SP16	—	19.0 gr / 10,800 PSI	—	
1 1/8 oz	800-X	Rem. 209P	Rem. SP16	—	—	21.0 gr / 10,800 PSI	
1 1/8 oz	800-X	Win. 209	Rem. SP16	—	—	19.5 gr / 10,900 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
16 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED SHELLS							
				1165 fps	1220 fps	1275 fps	
1 oz	Universal	Win. 209	BPG/BP	19.5 gr / 9,100 PSI	20.0 gr / 10,000 PSI	21.0 gr / 10,700 PSI	
1 oz	Universal	Win. 209	WAA16	19.0 gr / 9,200 PSI	20.0 gr / 10,300 PSI	20.7 gr / 11,000 PSI	
1 oz	HS-6	CCI 209	WAA16	23.5 gr / 8,200 LUP	24.5 gr / 8,800 LUP	—	
1 oz	HS-6	Win. 209	WAA16	23.0 gr / 8,500 LUP	24.0 gr / 9,300 LUP	—	
				1185 fps	1240 fps		
1 1/8 oz	HS-6	Win. 209	WAA16	24.5 gr / 10,600 LUP	—	—	
1 1/8 oz	HS-6	Win. 209	Rem. SP16	26.5 gr / 8,600 LUP	27.5 gr / 9,400 LUP	—	
16 GA., 2 3/4", WINCHESTER X-PERT PLASTIC SHELLS							
				1250 fps			
1 oz	PB	Fed. 209A	WAA16	19.5 gr / 11,200 PSI	—	—	
1 oz	PB	Rem. 209P	Rem. SP16	21.0 gr / 10,800 PSI	—	—	
				1200 fps	1250 fps	1300 fps	1350 fps
1 oz	PB	Win. 209	WAA16	19.0 gr / 10,900 PSI	—	—	—
1 oz	SR 7625	Fed. 209A	WAA16	—	20.5 gr / 10,900 PSI	—	—
1 oz	SR 7625	Rem. 209P	Rem. SP16	—	—	23.0 gr / 11,200 PSI	—
1 oz	SR 7625	Win. 209	WAA16	—	22.0 gr / 11,000 PSI	—	—
1 oz	SR 4756	Fed. 209A	Rem. SP16	—	22.5 gr / 10,900 PSI	—	—
1 oz	SR 4756	Rem. 209P	Rem. SP16	—	—	—	27.0 gr / 9,900 PSI
1 oz	800-X	Fed. 209A	WAA16	—	—	—	22.5 gr / 10,800 PSI
1 oz	800-X	Rem. 209P	Rem. SP16	—	—	—	24.0 gr / 9,000 PSI
1 oz	800-X	Win. 209	WAA16	—	—	—	23.0 gr / 11,200 PSI
				1150 fps	1200 fps	1250 fps	
1 1/8 oz	SR 7325	Rem. 209P	Rem. SP16	19.5 gr / 10,900 PSI	—	—	
1 1/8 oz	SR 7325	Win. 209	Rem. SP16	19.0 gr / 10,900 PSI	—	—	
1 1/8 oz	SR 4756	Fed. 209A	Rem. SP16	20.5 gr / 10,800 PSI	—	—	
1 1/8 oz	SR 4756	Rem. 209P	Rem. SP16	23.0 gr / 8,900 PSI	—	—	
1 1/8 oz	SR 4756	Win. 209	Rem. SP16	—	22.5 gr / 11,100 PSI	—	
1 1/8 oz	800-X	Fed. 209A	Rem. SP16	—	19.0 gr / 10,900 PSI	—	
1 1/8 oz	800-X	Rem. 209P	Rem. SP16	—	—	22.0 gr / 10,100 PSI	
1 1/8 oz	800-X	Win. 209	Rem. SP16	—	20.0 gr / 11,000 PSI	—	
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS							
				1200 fps	1225 fps	1250 fps	
7/8 oz	Internat'l	CCI 209SC	Fed. 20S1	15.0 gr / 11,100 PSI	15.6 gr / 11,800 PSI	—	
7/8 oz	Internat'l	CCI 209SC	PC20	14.7 gr / 10,400 PSI	—	—	
7/8 oz	Internat'l	CCI 209SC	Rem. RXP20	14.5 gr / 10,000 PSI	15.5 gr / 10,700 PSI	—	
7/8 oz	Internat'l	CCI 209SC	WAA20F1	14.7 gr / 10,300 PSI	15.3 gr / 11,600 PSI	—	
7/8 oz	Internat'l	CCI 209SC	Windjammer	15.0 gr / 10,700 PSI	15.5 gr / 11,800 PSI	—	
7/8 oz	Internat'l	Fed. 209A	Fed. 20S1	14.5 gr / 11,500 PSI	—	—	
7/8 oz	Internat'l	Fed. 209A	Rem. RXP20	14.7 gr / 11,100 PSI	—	—	
7/8 oz	Internat'l	Fed. 209A	WAA20F1	14.5 gr / 11,500 PSI	—	—	
7/8 oz	Internat'l	Fed. 209A	Windjammer	14.5 gr / 11,300 PSI	14.9 gr / 12,000 PSI	—	
7/8 oz	Internat'l	Rem. 209P	Fed. 20S1	15.3 gr / 10,700 PSI	—	—	
7/8 oz	Internat'l	Rem. 209P	WAA20F1	15.0 gr / 10,200 PSI	15.5 gr / 11,300 PSI	16.0 gr / 11,500 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
				1200 fps	1225 fps	1250 fps	
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS (CONT.)							
7/8 oz	Internat'l	Rem. 209P	Windjammer	15.3 gr/ 10,700 PSI	16.0 gr/ 11,400 PSI	—	
7/8 oz	Internat'l	Win. 209	Fed. 20S1	14.6 gr/ 11,400 PSI	—	—	
7/8 oz	Internat'l	Win. 209	PC20	15.0 gr/ 11,200 PSI	—	—	
7/8 oz	Internat'l	Win. 209	Rem. RXP20	14.7 gr/ 10,200 PSI	15.3 gr/ 11,300 PSI	—	
7/8 oz	Internat'l	Win. 209	WAA20F1	14.5 gr/ 10,500 PSI	15.1 gr/ 11,500 PSI	—	
7/8 oz	Internat'l	Win. 209	Windjammer	14.5 gr/ 10,800 PSI	—	—	
7/8 oz	Universal	CCI 209SC	Fed. 20S1	17.0 gr/ 9,500 PSI	17.6 gr/ 10,100 PSI	—	
7/8 oz	Universal	CCI 209SC	PC20	17.5 gr/ 9,500 PSI	—	—	
7/8 oz	Universal	CCI 209SC	Rem. RXP20	17.5 gr/ 9,000 PSI	18.0 gr/ 9,800 PSI	18.5 gr/ 10,000 PSI	
7/8 oz	Universal	CCI 209SC	WAA20F1	17.2 gr/ 9,200 PSI	17.7 gr/ 9,500 PSI	18.0 gr/ 10,000 PSI	
7/8 oz	Universal	CCI 209SC	Windjammer	17.0 gr/ 9,500 PSI	17.6 gr/ 9,800 PSI	18.2 gr/ 10,300 PSI	
7/8 oz	Universal	Fed. 209A	Fed. 20S1	16.7 gr/ 10,000 PSI	17.0 gr/ 10,700 PSI	—	
7/8 oz	Universal	Fed. 209A	PC20	17.0 gr/ 10,000 PSI	—	—	
7/8 oz	Universal	Fed. 209A	Rem. RXP20	17.0 gr/ 9,800 PSI	17.7 gr/ 10,200 PSI	18.0 gr/ 10,400 PSI	
7/8 oz	Universal	Fed. 209A	WAA20F1	17.0 gr/ 10,100 PSI	17.5 gr/ 10,500 PSI	17.8 gr/ 10,800 PSI	
7/8 oz	Universal	Fed. 209A	Windjammer	17.0 gr/ 9,600 PSI	17.5 gr/ 10,300 PSI	18.0 gr/ 10,800 PSI	
7/8 oz	Universal	Rem. 209P	Fed. 20S1	18.0 gr/ 9,300 PSI	—	—	
7/8 oz	Universal	Rem. 209P	Rem. RXP20	18.5 gr/ 8,400 PSI	19.0 gr/ 9,100 PSI	—	
7/8 oz	Universal	Rem. 209P	WAA20F1	17.8 gr/ 8,700 PSI	18.3 gr/ 9,500 PSI	—	
7/8 oz	Universal	Rem. 209P	Windjammer	18.0 gr/ 8,900 PSI	18.5 gr/ 9,400 PSI	—	
7/8 oz	Universal	Win. 209	Fed. 20S1	17.4 gr/ 9,600 PSI	18.0 gr/ 10,300 PSI	—	
7/8 oz	Universal	Win. 209	PC20	17.5 gr/ 9,400 PSI	—	—	
7/8 oz	Universal	Win. 209	Rem. RXP20	17.5 gr/ 9,300 PSI	18.2 gr/ 9,800 PSI	—	
7/8 oz	Universal	Win. 209	WAA20	17.0 gr/ 9,300 PSI	17.5 gr/ 9,900 PSI	18.0 gr/ 10,200 PSI	
7/8 oz	Universal	Win. 209	WAA20F1	17.0 gr/ 10,000 PSI	17.4 gr/ 10,200 PSI	17.9 gr/ 10,400 PSI	
7/8 oz	Universal	Win. 209	Windjammer	17.5 gr/ 9,200 PSI	18.2 gr/ 9,900 PSI	18.5 gr/ 10,400 PSI	
				1300 fps	1350 fps	1400 fps	1450 fps
7/8 oz	Longshot	CCI209M	Fed. 20S1	20.5 gr/ 8,900 PSI	21.5 gr/ 9,800 PSI	22.6 gr/ 10,900 PSI	—
7/8 oz	Longshot	CCI209M	Rem. RXP20	21.1 gr/ 8,500 PSI	22.1 gr/ 9,200 PSI	23.2 gr/ 9,900 PSI	24.2 gr/ 10,700 PSI
7/8 oz	Longshot	CCI209M	WAA20	21.0 gr/ 8,700 PSI	21.7 gr/ 9,700 PSI	22.3 gr/ 10,600 PSI	—
7/8 oz	Longshot	Fed. 209A	Fed. 20S1	20.3 gr/ 9,300 PSI	21.3 gr/ 10,200 PSI	22.3 gr/ 11,100 PSI	—
7/8 oz	Longshot	Fed. 209A	Rem. RXP20	20.5 gr/ 8,800 PSI	21.6 gr/ 9,800 PSI	22.7 gr/ 10,700 PSI	23.8 gr/ 11,800 PSI
7/8 oz	Longshot	Fed. 209A	WAA20	20.6 gr/ 8,900 PSI	21.7 gr/ 9,800 PSI	22.8 gr/ 10,600 PSI	23.9 gr/ 11,400 PSI
7/8 oz	Longshot	Rem. 209P	Fed. 20S1	20.6 gr/ 8,800 PSI	21.7 gr/ 9,700 PSI	22.8 gr/ 10,500 PSI	24.0 gr/ 11,900 PSI
7/8 oz	Longshot	Rem. 209P	Rem. RXP20	22.5 gr/ 8,200 PSI	23.2 gr/ 9,000 PSI	23.9 gr/ 9,700 PSI	24.5 gr/ 10,400 PSI
7/8 oz	Longshot	Rem. 209P	WAA20	20.8 gr/ 8,600 PSI	21.9 gr/ 9,400 PSI	22.9 gr/ 10,200 PSI	24.0 gr/ 11,000 PSI
7/8 oz	Longshot	Win. 209	Fed. 20S1	21.5 gr/ 8,100 PSI	22.6 gr/ 8,900 PSI	23.7 gr/ 9,700 PSI	25.0 gr/ 11,000 PSI
7/8 oz	Longshot	Win. 209	Rem. RXP20	—	24.1 gr/ 7,700 PSI	24.9 gr/ 8,700 PSI	25.7 gr/ 9,600 PSI
7/8 oz	Longshot	Win. 209	WAA20	22.3 gr/ 7,500 PSI	23.3 gr/ 8,300 PSI	24.3 gr/ 9,200 PSI	25.0 gr/ 10,800 PSI
				1200 fps			
7/8 oz	700-X	Fed. 209A	CB 1078-20	14.0 gr/ 11,400 PSI			
7/8 oz	700-X	Fed. 209A	Fed. 20S1	14.0 gr/ 11,900 PSI			
7/8 oz	700-X	Fed. 209A	Rem. RXP20	14.5 gr/ 11,500 PSI			
7/8 oz	700-X	Fed. 209A	WAA20	14.5 gr/ 11,700 PSI			

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*	
				1200 fps	
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS (CONT.)					
7/8 oz	700-X	Fed. 209A	Windjammer	14.5 gr/ 11,800 PSI	
7/8 oz	700-X	Rem. 209P	CB 1078-20	14.5 gr/ 11,300 PSI	
7/8 oz	700-X	Rem. 209P	Fed. 20S1	14.5 gr/ 11,600 PSI	
7/8 oz	700-X	Rem. 209P	Rem. RXP 20	15.0 gr/ 11,100 PSI	
7/8 oz	700-X	Rem. 209P	WAA20	14.5 gr/ 11,300 PSI	
7/8 oz	700-X	Rem. 209P	Windjammer	14.5 gr/ 11,400 PSI	
7/8 oz	700-X	Win. 209	CB 1078-20	14.0 gr/ 11,000 PSI	
7/8 oz	700-X	Win. 209	Rem. RXP 20	14.5 gr/ 11,000 PSI	
7/8 oz	700-X	Win. 209	WAA20	14.5 gr/ 11,200 PSI	
7/8 oz	700-X	Win. 209	Windjammer	14.5 gr/ 11,200 PSI	
7/8 oz	PB	Fed. 209A	CB 1078-20	17.0 gr/ 9,800 PSI	
7/8 oz	PB	Fed. 209A	Fed. 20S1	17.5 gr/ 10,000 PSI	
7/8 oz	PB	Fed. 209A	Rem. RXP 20	17.5 gr/ 9,300 PSI	
7/8 oz	PB	Fed. 209A	WAA20	17.5 gr/ 9,400 PSI	
7/8 oz	PB	Fed. 209A	Windjammer	17.5 gr/ 9,500 PSI	
7/8 oz	PB	Rem. 209P	CB 1078-20	17.5 gr/ 9,300 PSI	
7/8 oz	PB	Rem. 209P	Fed. 20S1	17.5 gr/ 9,400 PSI	
7/8 oz	PB	Rem. 209P	Rem. RXP 20	17.5 gr/ 8,900 PSI	
7/8 oz	PB	Rem. 209P	WAA20	17.5 gr/ 9,300 PSI	
7/8 oz	PB	Rem. 209P	Windjammer	18.0 gr/ 9,500 PSI	
7/8 oz	PB	Win. 209	CB 1078-20	17.5 gr/ 9,500 PSI	
7/8 oz	PB	Win. 209	Fed. 20S1	17.5 gr/ 10,100 PSI	
7/8 oz	PB	Win. 209	Rem. RXP 20	18.0 gr/ 9,000 PSI	
7/8 oz	PB	Win. 209	WAA20	17.5 gr/ 9,400 PSI	
7/8 oz	PB	Win. 209	Windjammer	17.5 gr/ 9,500 PSI	
7/8 oz	SR 7625	Fed. 209A	CB 1078-20	18.5 gr/ 9,500 PSI	
7/8 oz	SR 7625	Fed. 209A	Fed. 20S1	18.5 gr/ 8,700 PSI	
7/8 oz	SR 7625	Fed. 209A	Rem. RXP20	19.0 gr/ 8,700 PSI	
7/8 oz	SR 7625	Fed. 209A	WAA20	18.5 gr/ 9,200 PSI	
7/8 oz	SR 7625	Fed. 209A	Windjammer	18.5 gr/ 8,600 PSI	
7/8 oz	SR 7625	Rem. 209P	CB 1078-20	18.5 gr/ 8,600 PSI	
7/8 oz	SR 7625	Rem. 209P	Fed. 20S1	19.0 gr/ 8,300 PSI	
7/8 oz	SR 7625	Rem. 209P	Rem. RXP 20	19.5 gr/ 8,300 PSI	
7/8 oz	SR 7625	Rem. 209P	WAA20	18.5 gr/ 8,500 PSI	
7/8 oz	SR 7625	Rem. 209P	Windjammer	19.0 gr/ 8,300 PSI	
7/8 oz	SR 7625	Win. 209	CB 1078-20	18.5 gr/ 9,000 PSI	
7/8 oz	SR 7625	Win. 209	Fed. 20S1	18.5 gr/ 8,600 PSI	
7/8 oz	SR 7625	Win. 209	Rem. RXP20	18.5 gr/ 8,500 PSI	
7/8 oz	SR 7625	Win. 209	WAA20	18.5 gr/ 8,400 PSI	
7/8 oz	SR 7625	Win. 209	Windjammer	19.0 gr/ 9,100 PSI	
7/8 oz	SR 4756	Fed. 209A	Fed. 20S1	20.5 gr/ 8,700 PSI	
7/8 oz	SR 4756	Fed. 209A	Rem. RXP20	21.0 gr/ 7,800 PSI	
7/8 oz	SR 4756	Fed. 209A	WAA20F1	20.5 gr/ 8,500 PSI	
7/8 oz	SR 4756	Fed. 209A	Windjammer	20.5 gr/ 8,700 PSI	
7/8 oz	SR 4756	Rem. 209P	Fed. 20S1	21.5 gr/ 7,600 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*				
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS (CONT.)								
1200 fps								
7/8 oz	SR 4756	Rem. 209P	Rem. RXP20	21.5 gr/	7,000 PSI			
7/8 oz	SR 4756	Rem. 209P	WAA20F1	21.5 gr/	7,900 PSI			
7/8 oz	SR 4756	Rem. 209P	Windjammer	21.5 gr/	7,900 PSI			
7/8 oz	SR 4756	Win. 209	Fed. 20S1	20.5 gr/	8,500 PSI			
7/8 oz	SR 4756	Win. 209	Rem. RXP 20	21.0 gr/	7,900 PSI			
7/8 oz	SR 4756	Win. 209	WAA20F1	20.5 gr/	8,200 PSI			
7/8 oz	SR 4756	Win. 209	Windjammer	20.5 gr/	8,300 PSI			
7/8 oz	800-X	Fed. 209A	CB 1078-20	17.0 gr/	7,800 PSI			
7/8 oz	800-X	Fed. 209A	Fed. 20S1	17.0 gr/	8,200 PSI			
7/8 oz	800-X	Fed. 209A	Rem. RXP20	17.5 gr/	7,600 PSI			
7/8 oz	800-X	Fed. 209A	WAA20	17.5 gr/	8,000 PSI			
7/8 oz	800-X	Fed. 209A	Windjammer	17.5 gr/	8,000 PSI			
7/8 oz	800-X	Rem. 209P	CB 1078-20	17.5 gr/	7,900 PSI			
7/8 oz	800-X	Rem. 209P	Fed. 20S1	17.5 gr/	7,900 PSI			
7/8 oz	800-X	Rem. 209P	Rem. RXP 20	18.0 gr/	7,600 PSI			
7/8 oz	800-X	Rem. 209P	WAA20	17.5 gr/	7,600 PSI			
7/8 oz	800-X	Rem. 209P	Windjammer	17.0 gr/	7,300 PSI			
7/8 oz	800-X	Win. 209	CB 1078-20	17.0 gr/	8,100 PSI			
7/8 oz	800-X	Win. 209	Fed. 20S1	17.5 gr/	8,300 PSI			
7/8 oz	800-X	Win. 209	Rem. RXP 20	17.5 gr/	8,000 PSI			
7/8 oz	800-X	Win. 209	WAA20	17.5 gr/	8,100 PSI			
7/8 oz	800-X	Win. 209	Windjammer	17.5 gr/	8,000 PSI			
1165 fps 1220 fps 1250 fps								
1 oz	HS-6	CCI 209M	WAA20F1	21.5 gr/	9,800 PSI	23.0 gr/	11,200 PSI	
1 oz	HS-6	CCI 209M	REM SP20	21.3 gr/	10,000 PSI	22.5 gr/	10,800 PSI	
1 oz	HS-6	Fed. 209A	REM SP20	21.0 gr/	10,100 PSI	22.5 gr/	11,300 PSI	
1 oz	HS-6	Fed. 209A	WAA20F1	21.0 gr/	9,700 PSI	22.5 gr/	11,200 PSI	
1 oz	HS-6	Win. 209	REM SP20	21.5 gr/	9,900 PSI	23.0 gr/	10,900 PSI	
1 oz	HS-6	Win. 209	WAA20F1	21.5 gr/	10,100 PSI	23.0 gr/	11,700 PSI	
1165 fps 1220 fps 1275 fps								
1 oz	Longshot	CCI 209M	Fed. 20S1	17.7 gr/	9,200 PSI	19.1 gr/	10,500 PSI	
1 oz	Longshot	CCI 209M	Rem. SP20	—	19.5 gr/	10,400 PSI	20.6 gr/	11,800 PSI
1 oz	Longshot	CCI 209M	WAA20F1	—	18.9 gr/	10,400 PSI	20.5 gr/	11,800 PSI
1 oz	Longshot	Fed. 209A	Fed. 20S1	16.8 gr/	9,400 PSI	18.5 gr/	10,600 PSI	
1 oz	Longshot	Fed. 209A	Rem. SP20	17.4 gr/	9,400 PSI	18.9 gr/	10,500 PSI	
1 oz	Longshot	Fed. 209A	WAA20F1	17.7 gr/	9,100 PSI	18.9 gr/	10,100 PSI	
1 oz	Longshot	Rem. 209P	Fed. 20S1	17.7 gr/	8,700 PSI	19.0 gr/	10,100 PSI	
1 oz	Longshot	Rem. 209P	Rem. RXP20	19.0 gr/	8,700 PSI	19.8 gr/	9,600 PSI	
1 oz	Longshot	Rem. 209P	WAA20F1	17.1 gr/	9,100 PSI	18.8 gr/	10,000 PSI	
1 oz	Longshot	Win. 209	Fed. 20S1	18.6 gr/	9,000 PSI	19.7 gr/	9,900 PSI	
1 oz	Longshot	Win. 209	Rem. RXP20	19.8 gr/	8,100 PSI	20.7 gr/	8,900 PSI	
1 oz	Longshot	Win. 209	WAA20F1	17.8 gr/	8,400 PSI	19.5 gr/	9,400 PSI	
1250 fps 1275 fps 1300 fps 1325 fps								
1 oz	SR 7625	Rem. 209P	Rem. SP 20	21.0 gr/	11,400 PSI	—	—	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*				
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS (CONT.)								
1250 fps 1275 fps 1300 fps 1325 fps								
1 oz	SR 7625	Win. 209	WAA20F1	20.5 gr/	11,600 PSI	—	—	
1 oz	800-X	Fed. 209A	Fed. 20S1	19.0 gr/	11,500 PSI	—	—	
1 oz	800-X	Fed. 209A	Rem. SP 20	18.5 gr/	11,600 PSI	—	—	
1 oz	800-X	Fed. 209A	WAA20F1	—	19.0 gr/	11,800 PSI	—	
1 oz	800-X	Rem. 209P	Fed. 20S1	—	20.0 gr/	11,100 PSI	—	
1 oz	800-X	Rem. 209P	Rem. SP 20	—	—	—	21.0 gr/11,400 PSI	
1 oz	800-X	Rem. 209P	WAA20F1	—	—	—	21.0 gr/11,600 PSI	
1 oz	800-X	Win. 209	Fed. 20S1	—	19.5 gr/	11,600 PSI	—	
1 oz	800-X	Win. 209	Rem. SP 20	—	—	20.0 gr/	11,700 PSI	
1 oz	800-X	Win. 209	WAA20F1	—	—	19.5 gr/	11,500 PSI	
20 GA., 2 3/4", FIOCCHI AND PMC PLASTIC TARGET SHELLS (LOW BASE WAD)								
1200 fps 1225 fps 1250 fps								
7/8 oz	Internat'l	Fio. 616	Fed. 20S1	14.6 gr/	11,800 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	PC20	14.8 gr/	11,000 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	Rem. RXP 20	15.0 gr/	10,700 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	WAA20	14.8 gr/	11,700 PSI	—	—	
7/8 oz	Internat'l	Fio. 616	Windjammer	15.0 gr/	12,000 PSI	—	—	
7/8 oz	Universal	Fio. 616	Fed. 20S1	16.6 gr/	9,800 PSI	17.0 gr/	10,600 PSI	
7/8 oz	Universal	Fio. 616	PC20	17.0 gr/	9,800 PSI	—	—	
7/8 oz	Universal	Fio. 616	Rem. RXP 20	17.3 gr/	9,100 PSI	18.0 gr/	9,800 PSI	
7/8 oz	Universal	Fio. 616	WAA20	17.0 gr/	9,300 PSI	17.6 gr/	9,800 PSI	
7/8 oz	Universal	Fio. 616	Windjammer	17.5 gr/	9,400 PSI	17.8 gr/	9,900 PSI	
7/8 oz	Universal	Ched. 209	Fed. 20S1	17.5 gr/	9,400 PSI	18.0 gr/	9,300 PSI	
7/8 oz	Universal	Ched. 209	Rem. RXP 20	18.5 gr/	8,700 PSI	—	—	
7/8 oz	Universal	Ched. 209	WAA20	18.0 gr/	9,000 PSI	—	—	
1300 fps 1350 fps 1400 fps 1450 fps								
7/8 oz	Longshot	Ched. 209	Fed. 20S1	20.7 gr/	9,300 PSI	21.8 gr/	9,300 PSI	
7/8 oz	Longshot	Ched. 209	Rem. RXP20	—	22.0 gr/	9,200 PSI	23.5 gr/	10,500 PSI
7/8 oz	Longshot	Fio. 616	Fed. 20S1	21.2 gr/	9,100 PSI	22.2 gr/	10,400 PSI	
7/8 oz	Longshot	Fio. 616	Rem. RXP20	—	22.0 gr/	9,100 PSI	23.2 gr/	11,600 PSI
7/8 oz	Longshot	Fio. 616	Rem. RXP20	—	22.0 gr/	9,100 PSI	23.2 gr/	10,000 PSI
7/8 oz	Longshot	Fio. 616	Rem. RXP20	—	22.0 gr/	9,100 PSI	23.2 gr/	10,800 PSI
1165 fps 1220 fps 1275 fps								
1 oz	Longshot	Fio. 616	Fed. 20S1	18.0 gr/	8,900 PSI	19.2 gr/	10,000 PSI	
1 oz	Longshot	Fio. 616	WAA20	18.3 gr/	9,000 PSI	19.4 gr/	9,900 PSI	
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS								
1150 fps 1200 fps 1250 fps								
3/4 oz	Internat'l	CCI 209M	PC20	12.2 gr/	9,400 PSI	13.0 gr/	10,800 PSI	
3/4 oz	Internat'l	CCI 209M	WAA20	12.0 gr/	9,200 PSI	13.1 gr/	10,700 PSI	
3/4 oz	Internat'l	Rem. 209P	PC20	12.5 gr/	8,400 PSI	13.7 gr/	9,500 PSI	
3/4 oz	Internat'l	Rem. 209P	WAA20	12.5 gr/	8,600 PSI	13.6 gr/	10,600 PSI	
3/4 oz	Internat'l	Win. 209	PC20	12.5 gr/	9,000 PSI	13.2 gr/	10,200 PSI	
3/4 oz	Internat'l	Win. 209	WAA20	12.0 gr/	9,000 PSI	13.2 gr/	10,400 PSI	
1100 fps 1150 fps								
7/8 oz Lt.	Internat'l	Ched. 209	Rem. RXP20	12.9 gr/	10,200 PSI	13.1 gr/	10,500 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS (CONT.)						
				1100 fps		1150 fps
7/8 oz Lt.	Internat'l	Rem. 209P	Rem. RXP20	12.9 gr/ 9,900 PSI	13.4 gr / 11,000 PSI	
7/8 oz Lt.	Internat'l	Win. 209	Rem. RXP20	—	13.4 gr / 10,900 PSI	
7/8 oz Lt.	Universal	Ched. 209	DRV-20	15.0 gr/ 9,300 PSI	15.4 gr / 9,700 PSI	
7/8 oz Lt.	Universal	Ched. 209	Rem. RXP20	15.0 gr/ 8,900 PSI	15.5 gr / 9,500 PSI	
7/8 oz Lt.	Universal	Ched. 209	WAA20	14.5 gr / 9,700 PSI		
7/8 oz Lt.	Universal	Rem. 209P	DRV-20	15.0 gr/ 9,200 PSI	15.7 gr / 9,900 PSI	
7/8 oz Lt.	Universal	Rem. 209P	Rem. RXP20	15.2 gr/ 9,100 PSI	15.6 gr / 9,300 PSI	
7/8 oz Lt.	Universal	Rem. 209P	WAA20	14.5 gr / 9,700 PSI		
7/8 oz Lt.	Universal	Win. 209	DRV-20	14.8 gr/ 9,500 PSI	15.3 gr / 10,100 PSI	
7/8 oz Lt.	Universal	Win. 209	Rem. RXP20	15.0 gr/ 9,300 PSI	15.5 gr / 9,500 PSI	
7/8 oz Lt.	Universal	Win. 209	WAA20	14.5 gr / 10,100 PSI		
7/8 oz Lt.	PB	Ched. 209	DRV-20	14.5 gr / 10,300 PSI	15.0 gr / 11,100 PSI	
7/8 oz Lt.	PB	Ched. 209	Rem. RXP20	14.4 gr / 9,300 PSI	15.0 gr / 10,100 PSI	
7/8 oz Lt.	PB	Rem. 209P	DRV-20	14.4 gr / 9,700 PSI	15.0 gr / 10,700 PSI	
7/8 oz Lt.	PB	Rem. 209P	Rem. RXP20	14.5 gr / 9,300 PSI	15.0 gr / 9,900 PSI	
7/8 oz Lt.	PB	Win. 209	DRV-20	14.5 gr / 10,200 PSI	15.0 gr / 10,800 PSI	
7/8 oz Lt.	PB	Win. 209	Rem. RXP20	14.5 gr / 9,200 PSI	15.0 gr / 10,100 PSI	
7/8 oz Lt.	Super Hop	Ched. 209	WAA20	12.4 gr / 10,700 PSI	12.9 gr / 11,500 PSI	
7/8 oz Lt.	Super Hop	Rem. 209P	WAA20	12.4 gr / 10,600 PSI	12.9 gr / 11,800 PSI	
7/8 oz Lt.	Super Hop	Win. 209	WAA20	12.4 gr / 10,300 PSI	12.9 gr / 11,400 PSI	
				1200 fps	1225 fps	1250 fps
7/8 oz	Internat'l	Rem. 209P	RXP20	14.0 gr / 10,700 PSI	—	—
7/8 oz	Internat'l	Win. 209	PC20	14.0 gr / 11,000 PSI	—	—
7/8 oz	Internat'l	Win. 209	WAA20	14.0 gr / 11,900 PSI	—	—
7/8 oz	Universal	CCI 209SC	Fed. 20S1	15.2 gr / 10,700 PSI	15.6 gr / 11,500 PSI	—
7/8 oz	Universal	CCI 209SC	Rem. RXP 20	15.5 gr / 10,400 PSI	16.0 gr / 11,000 PSI	16.4 gr / 11,300 PSI
7/8 oz	Universal	CCI 209SC	WAA20F1	15.4 gr / 10,700 PSI	15.9 gr / 10,900 PSI	16.2 gr / 11,900 PSI
7/8 oz	Universal	CCI 209SC	Windjammer	15.4 gr / 10,700 PSI	15.8 gr / 11,400 PSI	—
7/8 oz	Universal	Fed. 209A	Fed. 20S1	15.0 gr / 11,900 PSI	—	—
7/8 oz	Universal	Fed. 209A	Rem. RXP 20	15.4 gr / 10,700 PSI	15.9 gr / 11,300 PSI	—
7/8 oz	Universal	Fed. 209A	WAA20F1	15.0 gr / 11,200 PSI	15.5 gr / 12,000 PSI	—
7/8 oz	Universal	Rem. 209P	Fed. 20S1	16.0 gr / 10,700 PSI	16.2 gr / 11,100 PSI	16.5 gr / 11,400 PSI
7/8 oz	Universal	Rem. 209P	Rem. RXP 20	15.8 gr / 9,900 PSI	16.7 gr / 10,700 PSI	—
7/8 oz	Universal	Rem. 209P	WAA20F1	15.6 gr / 10,500 PSI	16.0 gr / 11,000 PSI	16.5 gr / 11,200 PSI
7/8 oz	Universal	Rem. 209P	Windjammer	16.0 gr / 10,600 PSI	16.5 gr / 11,200 PSI	—
7/8 oz	Universal	Win. 209	Fed. 20S1	15.5 gr / 10,800 PSI	16.0 gr / 11,500 PSI	—
7/8 oz	Universal	Win. 209	Rem. RXP 20	16.0 gr / 10,400 PSI	16.7 gr / 11,400 PSI	—
7/8 oz	Universal	Win. 209	Windjammer	16.0 gr / 10,800 PSI	16.5 gr / 11,500 PSI	—
				1250 fps	1300 fps	1350 fps
7/8 oz	Longshot	CCI209M	Fed. 20S1	16.9 gr / 10,400 PSI	18.0 gr / 11,600 PSI	—
7/8 oz	Longshot	CCI209M	PC20	17.7 gr / 9,500 PSI	18.4 gr / 10,600 PSI	19.6 gr / 12,000 PSI
7/8 oz	Longshot	CCI209M	Rem. RXP20	17.7 gr / 9,500 PSI	18.7 gr / 10,800 PSI	19.6 gr / 12,000 PSI
7/8 oz	Longshot	CCI209M	WAA20	17.0 gr / 10,700 PSI	18.1 gr / 11,700 PSI	—
7/8 oz	Longshot	CCI209M	Windjammer	17.3 gr / 10,000 PSI	18.1 gr / 11,300 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS (CONT.)						
				1250 fps	1300 fps	1350 fps
7/8 oz	Longshot	Fed. 209A	Fed. 20S1	17.5 gr / 10,800 PSI	18.3 gr / 12,000 PSI	—
7/8 oz	Longshot	Fed. 209A	PC20	17.6 gr / 10,200 PSI	18.6 gr / 11,200 PSI	—
7/8 oz	Longshot	Fed. 209A	Rem. RXP20	17.6 gr / 10,100 PSI	18.6 gr / 11,200 PSI	—
7/8 oz	Longshot	Fed. 209A	WAA20	17.1 gr / 10,600 PSI	18.3 gr / 11,700 PSI	—
7/8 oz	Longshot	Fed. 209A	Windjammer	17.2 gr / 10,400 PSI	18.5 gr / 11,900 PSI	—
7/8 oz	Longshot	Rem. 209P	Fed. 20S1	17.5 gr / 10,200 PSI	18.4 gr / 11,600 PSI	—
7/8 oz	Longshot	Rem. 209P	PC20	17.7 gr / 9,500 PSI	18.8 gr / 10,700 PSI	19.9 gr / 11,900 PSI
7/8 oz	Longshot	Rem. 209P	Rem. RXP20	17.6 gr / 9,600 PSI	18.9 gr / 11,200 PSI	—
7/8 oz	Longshot	Rem. 209P	WAA20	17.3 gr / 10,300 PSI	18.5 gr / 11,800 PSI	—
7/8 oz	Longshot	Rem. 209P	Windjammer	17.8 gr / 10,100 PSI	18.9 gr / 11,200 PSI	—
7/8 oz	Longshot	Win. 209	PC20	18.8 gr / 8,700 PSI	19.8 gr / 10,100 PSI	20.7 gr / 11,300 PSI
7/8 oz	Longshot	Win. 209	Rem. RXP20	18.2 gr / 9,100 PSI	19.4 gr / 10,300 PSI	20.6 gr / 11,500 PSI
7/8 oz	Longshot	Win. 209	WAA20	17.9 gr / 9,900 PSI	19.0 gr / 11,200 PSI	—
7/8 oz	Longshot	Win. 209	Windjammer	18.4 gr / 9,000 PSI	19.4 gr / 10,500 PSI	20.3 gr / 12,000 PSI
7/8 oz	Longshot	Win. 209	Fed. 20S1	18.1 gr / 10,000 PSI	19.1 gr / 11,100 PSI	20.1 gr / 12,000 PSI
				1200 fps		
7/8 oz	PB	Fed. 209A	Rem. RXP 20	16.0 gr / 11,600 PSI		
7/8 oz	PB	Fed. 209A	WAA20F1	16.0 gr / 11,900 PSI		
7/8 oz	PB	Fed. 209A	Windjammer	15.5 gr / 11,900 PSI		
7/8 oz	PB	Rem. 209P	CB 1078-20	16.0 gr / 11,800 PSI		
7/8 oz	PB	Rem. 209P	Fed. 20S1	15.5 gr / 11,800 PSI		
				1200 fps		
7/8 oz	PB	Rem. 209P	Rem. RXP20	16.0 gr / 11,000 PSI		
7/8 oz	PB	Rem. 209P	WAA20F1	16.0 gr / 11,400 PSI		
7/8 oz	PB	Rem. 209P	Windjammer	16.0 gr / 11,700 PSI		
7/8 oz	PB	Win. 209	CB 1078-20	16.0 gr / 11,700 PSI		
7/8 oz	PB	Win. 209	Rem. RXP20	16.0 gr / 11,100 PSI		
7/8 oz	PB	Win. 209	WAA20F1	16.0 gr / 11,100 PSI		
7/8 oz	PB	Win. 209	Windjammer	16.0 gr / 11,700 PSI		
7/8 oz	SR 7625	Fed. 209A	CB 1078-20	16.5 gr / 11,400 PSI		
7/8 oz	SR 7625	Fed. 209A	Fed. 20S1	16.5 gr / 12,000 PSI		
7/8 oz	SR 7625	Fed. 209A	Rem. RXP 20	17.0 gr / 11,000 PSI		
7/8 oz	SR 7625	Fed. 209A	WAA20	16.5 gr / 12,000 PSI		
7/8 oz	SR 7625	Fed. 209A	Windjammer	16.5 gr / 11,400 PSI		
7/8 oz	SR 7625	Rem. 209P	CB 1078-20	17.0 gr / 11,000 PSI		
7/8 oz	SR 7625	Rem. 209P	Fed. 20S1	17.0 gr / 11,100 PSI		
7/8 oz	SR 7625	Rem. 209P	RXP20	17.0 gr / 10,100 PSI		
7/8 oz	SR 7625	Rem. 209P	Windjammer	17.0 gr / 11,000 PSI		
7/8 oz	SR 7625	Rem. 209P	WAA20	17.0 gr / 11,000 PSI		
7/8 oz	SR 7625	Win. 209	CB 1078-20	17.0 gr / 11,100 PSI		
7/8 oz	SR 7625	Win. 209	Fed. 20S1	17.0 gr / 11,800 PSI		
7/8 oz	SR 7625	Win. 209	Rem. RXP20	17.0 gr / 10,300 PSI		
7/8 oz	SR 7625	Win. 209	WAA20	17.0 gr / 10,900 PSI		
7/8 oz	SR 7625	Win. 209	Windjammer	17.0 gr / 10,800 PSI		

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*	
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS (CONT.)					
1200 fps					
7/8 oz	SR 4756	Fed. 209A	Rem. SP 20	17.5 gr/ 10,600 PSI	
7/8 oz	SR 4756	Fed. 209A	WAA20F1	17.5 gr/ 10,200 PSI	
7/8 oz	SR 4756	Rem. 209P	Rem. SP 20	18.5 gr/ 10,200 PSI	
7/8 oz	SR 4756	Rem. 209P	WAA20F1	18.5 gr/ 9,500 PSI	
7/8 oz	SR 4756	Win. 209	Rem. SP 20	18.5 gr/ 10,300 PSI	
7/8 oz	SR 4756	Win. 209	WAA20F1	19.0 gr/ 9,600 PSI	
7/8 oz	800-X	Fed. 209A	CB 1078-20	16.0 gr/ 9,900 PSI	
7/8 oz	800-X	Fed. 209A	Fed. 20S1	16.0 gr/ 10,000 PSI	
7/8 oz	800-X	Fed. 209A	Rem. RXP 20	16.0 gr/ 9,100 PSI	
7/8 oz	800-X	Fed. 209A	WAA20	16.0 gr/ 9,300 PSI	
7/8 oz	800-X	Fed. 209A	Windjammer	16.0 gr/ 9,500 PSI	
7/8 oz	800-X	Rem. 209P	CB 1078-20	16.0 gr/ 9,500 PSI	
7/8 oz	800-X	Rem. 209P	Fed. 20S1	16.0 gr/ 9,600 PSI	
7/8 oz	800-X	Rem. 209P	Rem. RXP 20	16.5 gr/ 9,100 PSI	
7/8 oz	800-X	Rem. 209P	WAA20	16.5 gr/ 9,100 PSI	
7/8 oz	800-X	Rem. 209P	Windjammer	16.5 gr/ 9,500 PSI	
7/8 oz	800-X	Win. 209	CB 1078-20	16.0 gr/ 9,600 PSI	
7/8 oz	800-X	Win. 209	Fed. 20S1	16.0 gr/ 9,600 PSI	
7/8 oz	800-X	Win. 209	Rem. RXP20	16.5 gr/ 9,500 PSI	
7/8 oz	800-X	Win. 209	WAA20	16.0 gr/ 9,300 PSI	
7/8 oz	800-X	Win. 209	Windjammer	16.0 gr/ 9,500 PSI	
1200 fps					
7/8 oz	WSF	CCI 209	Fed. 20S1	17.5 gr/ 11,100 PSI	--
7/8 oz	WSF	CCI 209	Rem. RXP20	17.5 gr/ 9,700 PSI	--
7/8 oz	WSF	CCI 209	WAA20	17.0 gr/ 10,500 PSI	--
7/8 oz	WSF	Win. 209	Fed. 20S1	17.0 gr/ 11,300 PSI	--
7/8 oz	WSF	Win. 209	Rem. RXP20	17.5 gr/ 10,600 PSI	--
7/8 oz	WSF	Win. 209	WAA20	17.0 gr/ 10,500 PSI	--
1165 fps 1220 fps					
1 oz	HS-6	CCI 209	Rem. SP 20	20.5 gr/ 11,500 PSI	--
1 oz	HS-6	CCI 209	WAA20F1	20.5 gr/ 11,900 PSI	--
1 oz	HS-6	CCI 209	Windjammer	19.6 gr/ 11,200 PSI	--
1 oz	HS-6	CCI 209M	Fed. 20S1	19.5 gr/ 11,600 PSI	--
1 oz	HS-6	CCI 209M	WAA20F1	19.7 gr/ 11,300 PSI	--
1 oz	HS-6	Fed. 209A	Rem. SP 20	19.5 gr/ 11,400 PSI	--
1 oz	HS-6	Fed. 209A	WAA20F1	19.5 gr/ 11,100 PSI	--
1 oz	HS-6	Rem. 209P	Fed. 20S1	20.0 gr/ 10,900 PSI	--
1 oz	HS-6	Rem. 209P	WAA20F1	20.4 gr/ 10,900 PSI	21.6 gr/ 11,700 PS
1 oz	HS-6	Rem. 209P	Windjammer	20.8 gr/ 10,900 PSI	--
1 oz	HS-6	Win. 209	Fed. 20S1	19.7 gr/ 11,500 PSI	--
1 oz	HS-6	Win. 209	Rem. SP 20	20.0 gr/ 11,200 PSI	--
1 oz	HS-6	Win. 209	WAA20F1	20.3 gr/ 11,200 PSI	--
1 oz	HS-6	Win. 209	Windjammer	20.0 gr/ 11,200 PSI	--
1 oz	Longshot	CCI 209M	Rem. SP20	16.5 gr/ 11,700 PSI	--

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*	
20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS (CONT.)					
1165 fps 1220 fps					
1 oz	Longshot	CCI 209M	WAA20F1	16.5 gr/ 11,000 PSI	--
1 oz	Longshot	Fed. 209A	WAA20F1	15.9 gr/ 11,200 PSI	16.5 gr / 12,000 PSI
1 oz	Longshot	Rem. 209P	Rem. SP20	16.0 gr/ 11,100 PSI	--
1 oz	Longshot	Rem. 209P	WAA20F1	15.9 gr/ 10,900 PSI	17.3 gr / 12,000 PSI
1 oz	Longshot	Win. 209	Rem. SP20	16.0 gr/ 10,400 PSI	17.8 gr / 12,000 PSI
1 oz	Longshot	Win. 209	WAA20F1	16.3 gr/ 9,900 PSI	18.0 gr / 12,000 PSI
1150 fps 1175 fps 1200 fps					
1 oz	SR 4756	Rem. 209P	Rem. SP 20	--	--
1 oz	SR 4756	Win. 209	Rem. SP 20	18.5 gr/ 11,700 PSI	--
1 oz	800-X	Fed. 209A	Rem. SP 20	--	16.0 gr / 11,800 PSI
1 oz	800-X	Fed. 209A	WAA20F1	15.5 gr/ 11,800 PSI	--
1 oz	800-X	Rem. 209P	Fed. 20S1	16.0 gr/ 11,200 PSI	--
1 oz	800-X	Rem. 209P	Rem. SP 20	--	17.5 gr / 11,900 PSI
1 oz	800-X	Rem. 209P	WAA20F1	--	17.0 gr / 11,700 PSI
1 oz	800-X	Win. 209	Fed. 20S1	16.0 gr/ 11,700 PSI	--
1 oz	800-X	Win. 209	Rem. RXP 20	--	17.0 gr / 11,800 PSI
1 oz	800-X	Win. 209	WAA20F1	--	16.5 gr / 11,800 PSI
20 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS					
1150 fps 1200 fps 1250 fps					
3/4 oz	Internat'l	CCI 209M	Fio. 20	12.2 gr/ 9,700 PSI	13.0 gr / 10,800 PSI
3/4 oz	Internat'l	CCI 209M	PC20	12.3 gr/ 10,200 PSI	13.1 gr / 11,900 PSI
3/4 oz	Internat'l	CCI 209M	WAA20	12.1 gr/ 10,100 PSI	12.7 gr / 11,500 PSI
3/4 oz	Internat'l	Rem. 209P	Fio. 20	12.8 gr/ 8,100 PSI	13.8 gr / 10,200 PSI
3/4 oz	Internat'l	Rem. 209P	PC20	12.5 gr/ 9,000 PSI	14.5 gr / 10,900 PSI
3/4 oz	Internat'l	Rem. 209P	WAA20	12.1 gr/ 9,000 PSI	13.2 gr / 10,500 PSI
3/4 oz	Internat'l	Win. 209	Fio. 20	12.3 gr/ 9,000 PSI	12.9 gr / 10,500 PSI
3/4 oz	Internat'l	Win. 209	PC20	12.2 gr/ 10,400 PSI	13.0 gr / 11,300 PSI
3/4 oz	Internat'l	Win. 209	WAA20	12.0 gr/ 10,100 PSI	13.0 gr / 11,700 PSI
1100 fps 1150 fps					
7/8 oz Lt.	Universal	Ched. 209	DRV-20	14.5 gr/ 10,100 PSI	15.5 gr / 11,800 PSI
7/8 oz Lt.	Universal	Ched. 209	Rem. RXP20	15.0 gr/ 9,800 PSI	15.5 gr / 10,400 PSI
7/8 oz Lt.	Universal	Rem. 209P	DRV-20	14.8 gr/ 9,900 PSI	15.5 gr / 11,500 PSI
7/8 oz Lt.	Universal	Rem. 209P	Rem. RXP20	14.7 gr/ 9,100 PSI	15.0 gr / 9,700 PSI
7/8 oz Lt.	Universal	Win. 209	DRV-20	14.5 gr/ 10,500 PSI	15.0 gr / 11,400 PSI
7/8 oz Lt.	Universal	Win. 209	Rem. RXP20	14.4 gr/ 9,600 PSI	14.8 gr / 10,100 PSI
7/8 oz Lt.	PB	Ched. 209	DRV-20	14.1 gr/ 10,800 PSI	14.7 gr / 11,600 PSI
7/8 oz Lt.	PB	Ched. 209	Rem. RXP20	14.0 gr/ 10,800 PSI	14.8 gr / 10,800 PSI
7/8 oz Lt.	PB	Rem. 209P	DRV-20	14.2 gr/ 10,500 PSI	14.8 gr / 11,600 PSI
7/8 oz Lt.	PB	Rem. 209P	Rem. RXP20	14.3 gr/ 9,400 PSI	14.8 gr / 10,300 PSI
7/8 oz Lt.	PB	Win. 209	DRV-20	14.2 gr/ 10,900 PSI	14.8 gr / 11,600 PSI
7/8 oz Lt.	PB	Win. 209	Rem. RXP20	14.5 gr/ 9,700 PSI	15.0 gr / 10,700 PSI
7/8 oz Lt.	Super Hcp	Ched. 209	WAA20	12.3 gr/ 11,000 PSI	--
7/8 oz Lt.	Super Hcp	Rem. 209P	WAA20	12.3 gr/ 11,000 PSI	12.9 gr / 11,900 PSI
7/8 oz Lt.	Super Hcp	Win. 209	WAA20	12.4 gr/ 11,000 PSI	12.9 gr / 11,800 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
20 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS (CONT.)						
1200 fps						
7/8 oz	Internat'l	Rem. 209P	Rem. RXP20	14.0 gr/ 10,800 PSI		
7/8 oz	Internat'l	Win. 209	PC20	14.0 gr/ 11,200 PSI		
7/8 oz	Internat'l	Win. 209	WAA20	14.0 gr/ 11,800 PSI		
7/8 oz	Universal	CCI 209SC	Fed. 20S1	14.6 gr/ 11,800 PSI		
7/8 oz	Universal	CCI 209SC	PC20	15.5 gr/ 11,600 PSI		
7/8 oz	Universal	CCI 209SC	Rem. RXP20	15.3 gr/ 11,100 PSI		
7/8 oz	Universal	CCI 209SC	WAA20F1	15.1 gr/ 11,600 PSI		
7/8 oz	Universal	CCI 209SC	Windjammer	15.5 gr/ 11,900 PSI		
7/8 oz	Universal	Fed. 209A	Fed. 20S1	14.3 gr/ 12,000 PSI		
7/8 oz	Universal	Fed. 209A	PC20	14.7 gr/ 11,900 PSI		
7/8 oz	Universal	Fed. 209A	Rem. RXP20	14.8 gr/ 11,400 PSI		
7/8 oz	Universal	Fed. 209A	WAA20F1	14.6 gr/ 12,000 PSI		
7/8 oz	Universal	Fed. 209A	Windjammer	15.8 gr/ 11,700 PSI		
7/8 oz	Universal	Rem. 209P	Fed. 20S1	15.3 gr/ 11,500 PSI		
7/8 oz	Universal	Rem. 209P	PC20	15.5 gr/ 11,100 PSI		
7/8 oz	Universal	Rem. 209P	Rem. RXP20	15.8 gr/ 9,800 PSI		
7/8 oz	Universal	Rem. 209P	WAA20F1	15.3 gr/ 11,600 PSI		
7/8 oz	Universal	Rem. 209P	Windjammer	16.0 gr/ 11,700 PSI		
7/8 oz	Universal	Win. 209	Fed. 20S1	14.7 gr/ 12,000 PSI		
7/8 oz	Universal	Win. 209	Rem. RXP20	15.0 gr/ 11,000 PSI		
7/8 oz	Universal	Win. 209	Windjammer	15.0 gr/ 11,800 PSI		
7/8 oz	Universal	Win. 209	WAA20	15.5 gr/ 10,200 PSI		
1250 fps 1300 fps 1350 fps						
7/8 oz	Longshot	CCI209M	Fed. 20S1	17.3 gr/ 11,000 PSI	—	—
7/8 oz	Longshot	CCI209M	PC20	17.4 gr/ 11,000 PSI	18.5 gr/ 11,800 PSI	—
7/8 oz	Longshot	CCI209M	Rem. RXP20	17.7 gr/ 9,800 PSI	18.5 gr/ 11,200 PSI	—
7/8 oz	Longshot	CCI209M	WAA20	17.2 gr/ 10,900 PSI	18.0 gr/ 11,900 PSI	—
7/8 oz	Longshot	CCI209M	Windjammer	17.6 gr/ 10,700 PSI	18.4 gr/ 12,000 PSI	—
7/8 oz	Longshot	Fed. 209A	Fed. 20S1	17.5 gr/ 11,800 PSI	—	—
7/8 oz	Longshot	Fed. 209A	PC20	17.8 gr/ 11,000 PSI	18.4 gr/ 11,900 PSI	—
7/8 oz	Longshot	Fed. 209A	Rem. RXP20	17.8 gr/ 11,400 PSI	18.9 gr/ 12,000 PSI	—
7/8 oz	Longshot	Fed. 209A	WAA20	17.4 gr/ 11,900 PSI	—	—
7/8 oz	Longshot	Fed. 209A	Windjammer	17.4 gr/ 11,200 PSI	18.5 gr/ 12,000 PSI	—
7/8 oz	Longshot	Rem. 209P	Fed. 20S1	17.6 gr/ 10,800 PSI	18.5 gr/ 12,000 PSI	—
7/8 oz	Longshot	Rem. 209P	PC20	17.9 gr/ 10,900 PSI	18.6 gr/ 11,600 PSI	—
7/8 oz	Longshot	Rem. 209P	Rem. RXP20	17.7 gr/ 10,400 PSI	18.7 gr/ 11,400 PSI	—
7/8 oz	Longshot	Rem. 209P	WAA20	17.2 gr/ 11,100 PSI	18.4 gr/ 11,800 PSI	—
7/8 oz	Longshot	Rem. 209P	Windjammer	17.9 gr/ 10,700 PSI	18.5 gr/ 11,900 PSI	—
7/8 oz	Longshot	Win. 209	Fed. 20S1	17.6 gr/ 10,600 PSI	18.6 gr/ 11,400 PSI	—
7/8 oz	Longshot	Win. 209	PC20	18.3 gr/ 9,600 PSI	19.4 gr/ 10,600 PSI	20.5 gr/ 11,600 PSI
7/8 oz	Longshot	Win. 209	Rem. RXP20	18.4 gr/ 9,800 PSI	19.3 gr/ 10,700 PSI	—
7/8 oz	Longshot	Win. 209	WAA20	17.8 gr/ 10,600 PSI	18.6 gr/ 11,700 PSI	—
7/8 oz	Longshot	Win. 209	Windjammer	18.4 gr/ 10,100 PSI	19.1 gr/ 11,000 PSI	20.0 gr/ 12,000 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
20 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS (CONT.)						
1200 fps						
7/8 oz	PB	Fed. 209A	Rem. RXP20	16.0 gr/ 11,900 PSI		
7/8 oz	PB	Fed. 209A	WAA20	15.5 gr/ 11,700 PSI		
7/8 oz	PB	Fed. 209A	Windjammer	15.5 gr/ 11,900 PSI		
7/8 oz	PB	Rem. 209P	CB 1078-20	16.0 gr/ 11,900 PSI		
7/8 oz	PB	Rem. 209P	Rem. RXP 20	16.0 gr/ 10,900 PSI		
7/8 oz	PB	Rem. 209P	WAA20	16.0 gr/ 11,600 PSI		
7/8 oz	PB	Rem. 209P	Windjammer	16.0 gr/ 11,300 PSI		
7/8 oz	PB	Win. 209	Rem. RXP 20	16.0 gr/ 11,400 PSI		
7/8 oz	PB	Win. 209	WAA20	16.0 gr/ 11,700 PSI		
7/8 oz	PB	Win. 209	Windjammer	16.5 gr/ 11,800 PSI		
7/8 oz	SR 7625	Fed. 209A	CB 1078-20	16.5 gr/ 11,700 PSI		
7/8 oz	SR 7625	Fed. 209A	Fed. 20S1	16.5 gr/ 11,700 PSI		
7/8 oz	SR 7625	Fed. 209A	Rem. RXP20	17.0 gr/ 10,800 PSI		
7/8 oz	SR 7625	Fed. 209A	WAA20	16.5 gr/ 11,700 PSI		
7/8 oz	SR 7625	Fed. 209A	Windjammer	16.5 gr/ 11,900 PSI		
7/8 oz	SR 7625	Rem. 209P	CB 1078-20	17.0 gr/ 11,300 PSI		
7/8 oz	SR 7625	Rem. 209P	Fed. 20S1	16.5 gr/ 11,100 PSI		
7/8 oz	SR 7625	Rem. 209P	RXP20	17.0 gr/ 10,100 PSI		
7/8 oz	SR 7625	Rem. 209P	WAA20	17.0 gr/ 10,900 PSI		
7/8 oz	SR 7625	Rem. 209P	Windjammer	17.5 gr/ 10,300 PSI		
7/8 oz	SR 7625	Win. 209	CB 1078-20	16.5 gr/ 10,800 PSI		
7/8 oz	SR 7625	Win. 209	Rem. RXP 20	17.0 gr/ 10,600 PSI		
7/8 oz	SR 7625	Win. 209	WAA20	17.0 gr/ 10,600 PSI		
7/8 oz	SR 7625	Win. 209	Windjammer	17.0 gr/ 10,900 PSI		
7/8 oz	SR 7625	Win. 209	Fed. 20S1	16.5 gr/ 11,700 PSI		
7/8 oz	800-X	Fed. 209A	CB 1078-20	16.0 gr/ 9,400 PSI		
7/8 oz	800-X	Fed. 209A	Fed. 20S1	16.0 gr/ 9,700 PSI		
7/8 oz	800-X	Fed. 209A	Rem. RXP 20	16.5 gr/ 8,800 PSI		
7/8 oz	800-X	Fed. 209A	WAA20	16.5 gr/ 9,400 PSI		
7/8 oz	800-X	Fed. 209A	Windjammer	16.5 gr/ 10,100 PSI		
7/8 oz	800-X	Rem. 209P	CB 1078-20	16.5 gr/ 8,400 PSI		
7/8 oz	800-X	Rem. 209P	Fed. 20S1	16.5 gr/ 8,200 PSI		
7/8 oz	800-X	Rem. 209P	Rem. RXP 20	16.5 gr/ 7,500 PSI		
7/8 oz	800-X	Rem. 209P	WAA20	16.5 gr/ 9,300 PSI		
7/8 oz	800-X	Rem. 209P	Windjammer	16.5 gr/ 8,400 PSI		
7/8 oz	WSF	CCI 209	Fed. 20S1	16.5 gr/ 11,400 PSI	—	—
7/8 oz	WSF	CCI 209	Rem. RXP20	17.5 gr/ 10,500 PSI	—	—
7/8 oz	WSF	CCI 209	WAA20	16.5 gr/ 11,300 PSI	—	—
7/8 oz	WSF	Win. 209	Rem. RXP 20	17.0 gr/ 10,700 PSI	—	—
7/8 oz	WSF	Win. 209	WAA20	16.5 gr/ 11,200 PSI	—	—
1165 fps 1220 fps 1250 fps						
1 oz	HS-6	Rem. 209P	Rem. SP20	19.8 gr/ 11,900 PSI	—	—
1 oz	HS-6	Rem. 209P	WAA20F1	19.5 gr/ 11,800 PSI	—	—
1 oz	HS-6	Win. 209	WAA20F1	21.5 gr/ 10,000 LUP	22.5 gr/ 10,900 LUP	—
1 oz	HS-6	Win. 209	Rem. SP20	23.0 gr/ 10,100 LUP	24.0 gr/ 10,800 LUP	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*							
20 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS (CONT.)											
				1165 fps		1220 fps					
1 oz	Longshot	CCI 209M	Rem. SP20	16.7 gr/ 11,700 PSI							
1 oz	Longshot	CCI 209M	WAA20F1	15.5 gr/ 11,900 PSI							
1 oz	Longshot	Fed. 209A	WAA20F1	15.5 gr/ 11,900 PSI							
1 oz	Longshot	Rem. 209P	Rem. SP20	16.3 gr/ 11,800 PSI							
1 oz	Longshot	Rem. 209P	WAA20F1	15.8 gr/ 11,800 PSI							
1 oz	Longshot	Win. 209	Rem. SP20	16.5 gr/ 10,700 PSI		18.1 gr/ 12,000 PSI					
1 oz	Longshot	Win. 209	WAA20F1	15.7 gr/ 10,900 PSI		17.2 gr/ 12,000 PSI					
				1150 fps		1200 fps					
1 oz	800-X	Fed. 209A	Rem. RXP 20	15.0 gr/ 11,700 PSI							
1 oz	800-X	Fed. 209A	WAA20F1	14.5 gr/ 11,800 PSI							
1 oz	800-X	Rem. 209P	Rem. RXP20	—		17.0 gr/ 10,800 PSI					
1 oz	800-X	Rem. 209P	WAA20F1	—		17.0 gr/ 11,500 PSI					
1 oz	800-X	Win. 209	Rem. RXP20	16.0 gr/ 11,600 PSI							
1 oz	800-X	Win. 209	WAA20F1	15.5 gr/ 11,500 PSI							
20 GA., 3", FEDERAL PLASTIC SHELLS											
				1175 fps		1230 fps		1285 fps			
1 1/8 oz	Longshot	CCI 209M	Fed. 20S1	19.6 gr/ 9,000 PSI		21.0 gr/ 10,300 PSI		22.4 gr/ 11,500 PSI			
1 1/8 oz	Longshot	CCI 209M	Rem. RXP20	19.4 gr/ 9,000 PSI		21.0 gr/ 10,000 PSI		22.6 gr/ 10,900 PSI			
1 1/8 oz	Longshot	CCI 209M	WAA20	19.2 gr/ 8,300 PSI		20.7 gr/ 10,600 PSI		—			
1 1/8 oz	Longshot	Fed. 209A	Fed. 20S1	19.3 gr/ 9,300 PSI		20.6 gr/ 10,900 PSI		21.9 gr/ 12,000 PSI			
1 1/8 oz	Longshot	Fed. 209A	Rem. RXP20	19.6 gr/ 9,000 PSI		21.1 gr/ 10,600 PSI		22.7 gr/ 11,000 PSI			
1 1/8 oz	Longshot	Fed. 209A	WAA20	19.6 gr/ 9,700 PSI		20.7 gr/ 10,900 PSI		—			
1 1/8 oz	Longshot	Rem. 209P	Fed. 20S1	19.4 gr/ 9,000 PSI		20.3 gr/ 10,300 PSI		22.2 gr/ 11,600 PSI			
1 1/8 oz	Longshot	Rem. 209P	Rem. RXP20	19.5 gr/ 8,600 PSI		21.1 gr/ 9,900 PSI		22.7 gr/ 11,200 PSI			
1 1/8 oz	Longshot	Rem. 209P	WAA20	19.4 gr/ 9,100 PSI		20.3 gr/ 10,400 PSI		22.1 gr/ 11,600 PSI			
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	20.6 gr/ 8,200 PSI		21.7 gr/ 9,500 PSI		22.7 gr/ 10,600 PSI			
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	20.3 gr/ 8,500 PSI		21.7 gr/ 9,600 PSI		23.0 gr/ 10,600 PSI			
1 1/8 oz	Longshot	Win. 209	WAA20	19.6 gr/ 8,800 PSI		21.0 gr/ 10,100 PSI		22.4 gr/ 11,300 PSI			
				1150 fps		1200 fps		1250 fps		1300 fps	
1 1/8 oz	SR 4756	Fed. 209A	Fed. 20S1	21.0 gr/ 11,400 PSI		—		—		—	
1 1/8 oz	SR 4756	Fed. 209A	Rem. SP 20	—		21.5 gr/ 11,700 PSI		—		—	
1 1/8 oz	SR 4756	Fed. 209A	WAA20	20.5 gr/ 11,700 PSI		—		—		—	
1 1/8 oz	SR 4756	Rem. 209P	Fed. 20S1	—		—		24.0 gr/ 11,200 PSI		—	
1 1/8 oz	SR 4756	Rem. 209P	Rem. SP 20	—		—		24.5 gr/ 11,200 PSI		—	
1 1/8 oz	SR 4756	Rem. 209P	WAA20	—		—		24.0 gr/ 11,000 PSI		—	
1 1/8 oz	SR 4756	Win. 209	Fed. 20S1	—		21.5 gr/ 11,300 PSI		—		—	
1 1/8 oz	SR 4756	Win. 209	Rem. SP 20	—		23.0 gr/ 11,500 PSI		—		—	
1 1/8 oz	SR 4756	Win. 209	WAA20	—		22.5 gr/ 11,700 PSI		—		—	
1 1/8 oz	800-X	Fed. 209A	Fed. 20S1	—		19.0 gr/ 11,600 PSI		—		—	
1 1/8 oz	800-X	Fed. 209A	Rem. RXP20	—		19.5 gr/ 11,500 PSI		—		—	
1 1/8 oz	800-X	Fed. 209A	WAA20	—		19.5 gr/ 11,500 PSI		—		—	
1 1/8 oz	800-X	Rem. 209P	Fed. 20S1	—		—		—		22.0 gr/ 11,700 PSI	
1 1/8 oz	800-X	Rem. 209P	Rem. SP20	—		—		21.0 gr/ 11,600 PSI		—	
1 1/8 oz	800-X	Rem. 209P	WAA20	—		—		—		22.0 gr/ 11,400 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*							
20 GA., 3", FEDERAL PLASTIC SHELLS (CONT.)											
				1150 fps		1200 fps		1250 fps		1300 fps	
1 1/8 oz	800-X	Win. 209	Fed. 20S1	—		19.5 gr/ 11,600 PSI		—		—	
1 1/8 oz	800-X	Win. 209	Rem. SP 20	—		19.5 gr/ 11,500 PSI		—		—	
1 1/8 oz	800-X	Win. 209	WAA20	—		19.0 gr/ 11,400 PSI		—		—	
				1185 fps		1240 fps					
1 1/4 oz	Longshot	CCI 209M	Fed. 20S1	20.2 gr/ 11,300 PSI				—			
1 1/4 oz	Longshot	CCI 209M	Rem. RXP20	21.0 gr/ 11,000 PSI				—			
1 1/4 oz	Longshot	CCI 209M	WAA20F1	20.3 gr/ 11,400 PSI				—			
1 1/4 oz	Longshot	Fed. 209A	Fed. 20S1	20.2 gr/ 11,700 PSI				—			
1 1/4 oz	Longshot	Fed. 209A	Rem. RXP20	20.9 gr/ 11,300 PSI				—			
1 1/4 oz	Longshot	Fed. 209A	WAA20F1	20.2 gr/ 11,500 PSI				—			
1 1/4 oz	Longshot	Rem. 209P	Fed. 20S1	20.5 gr/ 11,600 PSI				—			
1 1/4 oz	Longshot	Rem. 209P	Rem. RXP20	21.5 gr/ 10,400 PSI				—			
1 1/4 oz	Longshot	Rem. 209P	WAA20F1	19.9 gr/ 11,200 PSI				—			
1 1/4 oz	Longshot	Win. 209	Fed. 20S1	20.4 gr/ 10,300 PSI				—			
1 1/4 oz	Longshot	Win. 209	Rem. RXP20	21.3 gr/ 10,600 PSI				—			
1 1/4 oz	Longshot	Win. 209	WAA20F1	21.2 gr/ 10,300 PSI		22.2 gr/ 11,500 PSI		—			
				1100 fps		1125 fps		1150 fps		1175 fps	
1 1/4 oz	800-X	Fed. 209A	Rem. SP 20	17.5 gr/ 11,500 PSI				—			
1 1/4 oz	800-X	Fed. 209A	WAA20F1	—		18.0 gr/ 11,700 PSI		—		—	
1 1/4 oz	800-X	Rem. 209P	Rem. SP 20	—		—		19.5 gr/ 11,400 PSI		—	
1 1/4 oz	800-X	Rem. 209P	WAA20F1	—		—		—		20.0 gr/ 11,000 PSI	
1 1/4 oz	800-X	Win. 209	Rem. SP 20	18.0 gr/ 11,400 PSI				—			
1 1/4 oz	800-X	Win. 209	WAA20F1	—		18.5 gr/ 11,400 PSI		—		—	
20 GA., 3", REMINGTON NITRO STEEL PLASTIC SHELLS (LEAD SHOT)											
				1175 fps		1230 fps		1285 fps			
1 1/8 oz	Longshot	CCI 209M	BP2 Trap Com.	19.5 gr/ 10,100 PSI		20.5 gr/ 11,100 PSI		—			
1 1/8 oz	Longshot	Rem. 209P	BP2 Trap Com.	19.6 gr/ 9,300 PSI		21.0 gr/ 10,800 PSI		—			
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	20.1 gr/ 8,500 PSI		21.4 gr/ 9,800 PSI		22.7 gr/ 11,100 PSI		—	
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	—		—		23.0 gr/ 11,900 PSI		—	
1 1/8 oz	Longshot	Win. 209	WAA20	20.0 gr/ 8,900 PSI		21.4 gr/ 10,200 PSI		22.7 gr/ 11,500 PSI		—	
				1185 fps		1240 fps					
1 1/4 oz	Longshot	CCI 209M	Fed. 20S1	20.0 gr/ 12,000 PSI				—			
1 1/4 oz	Longshot	CCI 209M	PC20	20.1 gr/ 11,300 PSI				—			
1 1/4 oz	Longshot	CCI 209M	Rem. RXP20	20.2 gr/ 11,500 PSI				—			
1 1/4 oz	Longshot	CCI 209M	WAA20	20.0 gr/ 11,500 PSI				—			
1 1/4 oz	Longshot	Rem. 209P	Fed. 20S1	20.5 gr/ 10,900 PSI				—			
1 1/4 oz	Longshot	Rem. 209P	PC20	20.6 gr/ 10,300 PSI				—			
1 1/4 oz	Longshot	Rem. 209P	RXP20	20.3 gr/ 11,000 PSI				—			
1 1/4 oz	Longshot	Rem. 209P	WAA20	20.4 gr/ 11,500 PSI				—			
1 1/4 oz	Longshot	Win. 209	Fed. 20S1	20.5 gr/ 11,500 PSI				—			
1 1/4 oz	Longshot	Win. 209	PC20	21.0 gr/ 10,600 PSI		22.4 gr/ 12,000 PSI		—			
1 1/4 oz	Longshot	Win. 209	Rem. RXP20	20.7 gr/ 11,100 PSI				—			
1 1/4 oz	Longshot	Win. 209	WAA20	20.7 gr/ 11,300 PSI				—			

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
20 GA., 3", REMINGTON PREMIER PLASTIC SHELLS						
				1175 fps	1230 fps	
1 1/8 oz	Longshot	CCI 209M	PC20	17.6 gr/ 11,400 PSI	—	
1 1/8 oz	Longshot	CCI 209M	Rem. RXP20	17.7 gr/ 11,500 PSI	—	
1 1/8 oz	Longshot	Rem. 209P	PC20	17.6 gr/ 10,900 PSI	—	
1 1/8 oz	Longshot	Rem. 209P	Rem. RXP20	17.7 gr/ 11,500 PSI	—	
1 1/8 oz	Longshot	Rem. 209P	WAA20	17.6 gr/ 12,000 PSI	—	
1 1/8 oz	Longshot	Win. 209	Fed. 20S1	18.2 gr/ 10,800 PSI	—	
1 1/8 oz	Longshot	Win. 209	PC20	18.3 gr/ 10,500 PSI	19.3 gr/ 12,000 PSI	
1 1/8 oz	Longshot	Win. 209	Rem. RXP20	17.7 gr/ 10,200 PSI	—	
1 1/8 oz	Longshot	Win. 209	WAA20	18.1 gr/ 11,400 PSI	—	
				1100 fps	1150 fps	
1 1/8 oz	800-X	Fed. 209A	Fed. 20S1	15.5 gr/ 11,600 PSI	—	
1 1/8 oz	800-X	Fed. 209A	Rem. SP 20	15.5 gr/ 11,800 PSI	—	
1 1/8 oz	800-X	Fed. 209A	WAA20	15.5 gr/ 11,600 PSI	—	
1 1/8 oz	800-X	Rem. 209P	Fed. 20S1	—	17.0 gr/ 11,600 PSI	
1 1/8 oz	800-X	Rem. 209P	Rem. SP 20	—	17.0 gr/ 11,700 PSI	
1 1/8 oz	800-X	Rem. 209P	WAA20	16.0 gr/ 11,100 PSI	—	
1 1/8 oz	800-X	Win. 209	Fed. 20S1	16.5 gr/ 11,500 PSI	—	
1 1/8 oz	800-X	Win. 209	Rem. SP 20	16.0 gr/ 11,600 PSI	—	
1 1/8 oz	800-X	Win. 209	WAA20	16.0 gr/ 11,600 PSI	—	
28 GA., 2 3/4", CHEDDITE PLASTIC SHELLS						
				1200 fps	1225 fps	1250 fps
3/4 oz	Universal	Ched. 209	Fed. 28S1	14.5 gr/ 11,000 PSI	14.9 gr/ 11,800 PSI	—
3/4 oz	Universal	Ched. 209	Rem. PT28	14.5 gr/ 10,700 PSI	15.2 gr / 11,700 PSI	15.4 gr / 12,300 PSI
3/4 oz	Universal	Fio. 616	Fed. 28S1	14.2 gr/ 11,300 PSI	14.4 gr/ 12,400 PSI	—
3/4 oz	Universal	Fio. 616	Rem. PT28	14.2 gr/ 11,400 PSI	14.5 gr / 12,400 PSI	—
				1225 fps	1250 fps	1275 fps
3/4 oz	Longshot	Ched. 209	Fed. 28S1	15.2 gr/ 10,300 PSI	15.6 gr/ 10,800 PSI	16.0 gr/ 11,300 PSI
3/4 oz	Longshot	Ched. 209	Rem. PT28	14.9 gr/ 9,600 PSI	15.5 gr/ 10,100 PSI	16.0 gr/ 10,600 PSI
3/4 oz	Longshot	Fio. 616	Fed. 28S1	15.0 gr/ 10,300 PSI	15.5 gr/ 10,900 PSI	15.9 gr/ 11,400 PSI
3/4 oz	Longshot	Fio. 616	Rem. PT28	15.1 gr/ 9,400 PSI	15.6 gr/ 10,000 PSI	16.1 gr/ 10,500 PSI
				1200 fps		
13/16 oz	Universal	Ched. 209	Fed. 28S1	14.5 gr/ 12,400 PSI		
13/16 oz	Universal	Ched. 209	Rem. PT28	14.7 gr/ 12,500 PSI		
				1200 fps	1225 fps	1250 fps
13/16 oz	Longshot	Ched. 209	Fed. 28S1	15.2 gr/ 10,800 PSI	15.6 gr/ 11,400 PSI	16.0 gr/ 12,100 PSI
13/16 oz	Longshot	Ched. 209	Rem. PT28	15.2 gr/ 10,000 PSI	15.7 gr/ 10,500 PSI	16.2 gr/ 11,000 PSI
13/16 oz	Longshot	Fio. 616	Fed. 28S1	15.0 gr/ 10,900 PSI	15.5 gr/ 11,700 PSI	16.0 gr/ 12,500 PSI
13/16 oz	Longshot	Fio. 616	Rem. PT28	14.9 gr/ 10,300 PSI	15.4 gr/ 10,400 PSI	15.8 gr/ 11,400 PSI
28 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS						
				1200 fps	1225 fps	1250 fps
3/4 oz	Universal	CCI 209SC	Fed. 28S1	14.3 gr/ 10,600 PSI	15.1 gr/ 11,400 PSI	15.3 gr/ 11,800 PSI
3/4 oz	Universal	CCI 209SC	Rem. PT28	14.5 gr/ 10,000 PSI	15.0 gr/ 10,900 PSI	15.5 gr/ 11,100 PSI
3/4 oz	Universal	Fed. 209A	Rem. PT28	14.2 gr/ 11,400 PSI	—	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
28 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS (CONT.)						
				1200 fps	1225 fps	1250 fps
3/4 oz	Universal	Win. 209	Fed. 28S1	14.5 gr/ 10,700 PSI	15.0 gr/ 11,500 PSI	15.5 gr/ 12,400 PSI
3/4 oz	Universal	Win. 209	PC28	14.8 gr/ 10,700 PSI	15.2 gr / 11,300 PSI	15.6 gr/ 11,900 PSI
3/4 oz	Universal	Win. 209	Rem. PT28	14.5 gr/ 10,200 PSI	15.2 gr / 10,900 PSI	15.8 gr/ 11,700 PSI
				1225 fps	1250 fps	1275 fps
3/4 oz	Longshot	CCI209M	Fed. 28S1	15.3 gr/ 10,000 PSI	15.8 gr / 10,600 PSI	16.3 gr / 11,200 PSI
3/4 oz	Longshot	CCI209M	Rem. PT28	15.5 gr/ 9,900 PSI	15.9 gr / 10,600 PSI	16.3 gr / 11,200 PSI
3/4 oz	Longshot	Fed. 209A	Fed. 28S1	15.2 gr/ 11,000 PSI	15.6 gr / 11,600 PSI	15.9 gr / 12,000 PSI
3/4 oz	Longshot	Fed. 209A	Rem. PT28	15.3 gr/ 10,400 PSI	15.8 gr / 11,000 PSI	16.2 gr / 11,400 PSI
3/4 oz	Longshot	Rem. 209P	Fed. 28S1	15.1 gr/ 10,500 PSI	15.6 gr / 11,100 PSI	16.0 gr / 11,500 PSI
3/4 oz	Longshot	Rem. 209P	Rem. PT28	15.1 gr / 9,800 PSI	15.6 gr / 10,400 PSI	16.1 gr / 11,100 PSI
3/4 oz	Longshot	Win. 209	Fed. 28S1	15.7 gr/ 10,200 PSI	16.1 gr / 10,800 PSI	16.5 gr / 11,400 PSI
3/4 oz	Longshot	Win. 209	Rem. PT28	15.8 gr / 9,600 PSI	16.2 gr / 10,000 PSI	16.6 gr / 10,400 PSI
				1150 fps	1200 fps	
3/4 oz	PB	Fed. 209A	CB 1034-28	13.0 gr/ 12,100 PSI	—	
3/4 oz	PB	Fed. 209A	Rem. PT28	13.0 gr/ 12,300 PSI	—	
3/4 oz	PB	Fed. 209A	WAA28	13.0 gr/ 12,400 PSI	—	
3/4 oz	PB	Rem. 209P	Fed. 28S1	—	14.0 gr / 12,200 PSI	
3/4 oz	PB	Rem. 209P	PC 28	—	14.5 gr / 11,500 PSI	
3/4 oz	PB	Rem. 209P	Rem. PT28	—	14.5 gr / 11,700 PSI	
3/4 oz	PB	Rem. 209P	WAA28	—	14.5 gr / 11,400 PSI	
3/4 oz	PB	Win. 209	Fed. 28S1	—	14.0 gr / 12,500 PSI	
3/4 oz	PB	Win. 209	PC 28	—	14.5 gr / 12,000 PSI	
3/4 oz	PB	Win. 209	Rem. PT28	—	14.5 gr / 12,100 PSI	
3/4 oz	PB	Win. 209	WAA28	—	14.5 gr / 11,900 PSI	
3/4 oz	SR 7625	Fed. 209A	CB 1034-28	—	14.0 gr / 12,000 PSI	
3/4 oz	SR 7625	Fed. 209A	Fed. 28S1	—	14.0 gr / 12,000 PSI	
3/4 oz	SR 7625	Fed. 209A	PC28	—	14.0 gr / 11,900 PSI	
3/4 oz	SR 7625	Fed. 209A	Rem. PT28	—	15.5 gr / 11,800 PSI	
3/4 oz	SR 7625	Fed. 209A	WAA28	—	14.5 gr / 12,300 PSI	
3/4 oz	SR 7625	Rem. 209P	Fed. 28S1	—	14.5 gr / 10,800 PSI	
3/4 oz	SR 7625	Rem. 209P	PC28	—	15.0 gr / 10,100 PSI	
3/4 oz	SR 7625	Rem. 209P	Rem. PT28	—	15.0 gr / 10,200 PSI	
3/4 oz	SR 7625	Rem. 209P	WAA28	—	14.5 gr / 10,500 PSI	
3/4 oz	SR 7625	Win. 209	Fed. 28S1	—	15.0 gr / 11,200 PSI	
3/4 oz	SR 7625	Win. 209	PC28	—	15.0 gr / 10,900 PSI	
3/4 oz	SR 7625	Win. 209	Rem. PT28	—	15.0 gr / 11,100 PSI	
3/4 oz	SR 7625	Win. 209	WAA28	—	14.5 gr / 10,800 PSI	
3/4 oz	SR 4756	Fed. 209A	Fed. 28S1	—	15.5 gr / 11,900 PSI	
3/4 oz	SR 4756	Fed. 209A	PC 28	—	15.5 gr / 11,400 PSI	
3/4 oz	SR 4756	Fed. 209A	Rem. PT28	—	15.5 gr / 11,400 PSI	
3/4 oz	SR 4756	Rem. 209P	Fed. 28S1	—	16.5 gr / 9,800 PSI	
3/4 oz	SR 4756	Rem. 209P	PC 28	—	16.0 gr / 9,600 PSI	
3/4 oz	SR 4756	Rem. 209P	Rem. PT28	17.0 gr / 10,300 PSI	—	
3/4 oz	SR 4756	Win. 209	Fed. 28S1	—	16.0 gr / 10,600 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
28 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS (CONT.)							
				1150 fps	1200 fps		
3/4 oz	SR 4756	Win. 209	PC 28	—	16.0 gr / 10,300 PSI		
3/4 oz	SR 4756	Win. 209	Rem. PT28	—	16.0 gr / 10,500 PSI		
3/4 oz	800-X	Fed. 209A	CB 1034-28	—	13.5 gr / 10,000 PSI		
3/4 oz	800-X	Fed. 209A	Fed. 28S1	—	13.5 gr / 11,000 PSI		
3/4 oz	800-X	Fed. 209A	PC28	—	13.5 gr / 10,600 PSI		
3/4 oz	800-X	Fed. 209A	Rem. PT28	—	13.5 gr / 10,700 PSI		
3/4 oz	800-X	Fed. 209A	WAA28	—	13.5 gr / 10,100 PSI		
3/4 oz	800-X	Rem. 209P	CB 1034-28	—	14.0 gr / 9,800 PSI		
3/4 oz	800-X	Rem. 209P	Fed. 28S1	—	14.0 gr / 10,400 PSI		
3/4 oz	800-X	Rem. 209P	PC28	—	14.0 gr / 9,600 PSI		
3/4 oz	800-X	Rem. 209P	Rem. PT28	—	14.0 gr / 9,900 PSI		
3/4 oz	800-X	Rem. 209P	WAA28	—	14.5 gr / 9,500 PSI		
3/4 oz	800-X	Win. 209	CB 1034-28	—	13.5 gr / 9,800 PSI		
3/4 oz	800-X	Win. 209	Fed. 28S1	—	13.5 gr / 10,500 PSI		
3/4 oz	800-X	Win. 209	PC 28	—	13.5 gr / 9,900 PSI		
3/4 oz	800-X	Win. 209	Rem. PT28	—	13.5 gr / 10,100 PSI		
3/4 oz	800-X	Win. 209	WAA28	—	14.0 gr / 10,000 PSI		
				1200 fps	1225 fps	1250 fps	
13/16 oz	Universal	CCI 209SC	Fed. 28S1	14.9 gr / 12,100 PSI	—	—	
13/16 oz	Universal	CCI 209SC	PC28	15.0 gr / 12,400 PSI	—	—	
13/16 oz	Universal	CCI 209SC	Rem. PT28	15.1 gr / 11,100 PSI	—	—	
13/16 oz	Universal	Win. 209	Fed. 28S1	14.9 gr / 12,300 PSI	—	—	
13/16 oz	Universal	Win. 209	PC28	14.9 gr / 12,000 PSI	—	—	
13/16 oz	Universal	Win. 209	Rem. PT28	14.9 gr / 11,600 PSI	—	—	
13/16 oz	Longshot	CCI209M	Fed. 28S1	15.5 gr / 11,400 PSI	—	—	
13/16 oz	Longshot	CCI209M	Rem. PT28	15.3 gr / 10,600 PSI	15.8 gr / 11,300 PSI	16.5 gr / 12,000 PSI	
13/16 oz	Longshot	Fed. 209A	Fed. 28S1	14.9 gr / 11,900 PSI	15.4 gr / 12,500 PSI	—	
13/16 oz	Longshot	Fed. 209A	Rem. PT28	15.2 gr / 10,900 PSI	15.6 gr / 11,500 PSI	16.0 gr / 12,200 PSI	
13/16 oz	Longshot	Rem. 209P	Fed. 28S1	14.7 gr / 11,800 PSI	15.0 gr / 12,200 PSI	—	
13/16 oz	Longshot	Rem. 209P	Rem. PT28	15.5 gr / 11,000 PSI	15.9 gr / 11,400 PSI	16.3 gr / 11,800 PSI	
13/16 oz	Longshot	Win. 209	Fed. 28S1	15.2 gr / 11,000 PSI	15.5 gr / 12,300 PSI	—	
13/16 oz	Longshot	Win. 209	Rem. PT28	15.7 gr / 10,200 PSI	16.1 gr / 10,900 PSI	16.5 gr / 11,500 PSI	
28 GA., 2 3/4", FIOCCHI PLASTIC TARGET SHELLS							
				1200 fps	1225 fps	1250 fps	
3/4 oz	Universal	Fio. 616	Fed. 28S1	14.3 gr / 11,200 PSI	14.6 gr / 11,800 PSI	15.0 gr / 12,300 PSI	
3/4 oz	Universal	Fio. 616	PC28	14.2 gr / 10,900 PSI	14.8 gr / 11,300 PSI	15.2 gr / 11,800 PSI	
3/4 oz	Universal	Fio. 616	Rem. PT28	14.2 gr / 10,600 PSI	14.8 gr / 11,000 PSI	15.1 gr / 11,900 PSI	
				1225 fps	1250 fps	1275 fps	1300 fps
3/4 oz	Longshot	Ched. 209	Fed. 28S1	14.9 gr / 10,200 PSI	15.4 gr / 10,900 PSI	15.9 gr / 11,600 PSI	16.5 gr / 12,300 PSI
3/4 oz	Longshot	Ched. 209	Rem. PT28	15.1 gr / 9,800 PSI	15.6 gr / 10,400 PSI	16.1 gr / 10,900 PSI	16.5 gr / 11,400 PSI
3/4 oz	Longshot	Fio. 616	Fed. 28S1	15.1 gr / 10,700 PSI	15.5 gr / 11,300 PSI	15.9 gr / 11,800 PSI	16.2 gr / 12,300 PSI
3/4 oz	Longshot	Fio. 616	Rem. PT28	15.2 gr / 10,000 PSI	15.6 gr / 10,400 PSI	16.1 gr / 11,000 PSI	16.6 gr / 11,500 PSI
13/16 oz	Universal	Fio. 616	Fed. 28S1	14.5 gr / 12,400 PSI	—	—	—
13/16 oz	Universal	Fio. 616	PC28	14.5 gr / 12,100 PSI	—	—	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
28 GA., 2 3/4", FIOCCHI PLASTIC TARGET SHELLS (CONT.)							
				1225 fps	1250 fps	1275 fps	1300 fps
13/16 oz	Universal	Fio. 616	Rem. PT28	15.0 gr / 11,900 PSI	—	—	—
				1200 fps	1225 fps	1250 fps	1275 fps
13/16 oz	Longshot	Ched. 209	Fed. 28S1	14.7 gr / 11,300 PSI	15.2 gr / 11,900 PSI	15.7 gr / 12,500 PSI	—
13/16 oz	Longshot	Ched. 209	Rem. PT28	15.3 gr / 10,700 PSI	15.6 gr / 11,100 PSI	16.0 gr / 11,700 PSI	16.5 gr / 12,300 PSI
13/16 oz	Longshot	Fio. 616	Fed. 28S1	14.8 gr / 11,300 PSI	15.3 gr / 11,800 PSI	15.9 gr / 12,500 PSI	—
13/16 oz	Longshot	Fio. 616	Rem. PT28	15.0 gr / 10,600 PSI	15.4 gr / 11,200 PSI	15.8 gr / 11,800 PSI	16.2 gr / 12,400 PSI
28 GA., 2 3/4", REMINGTON STS PLASTIC SHELLS							
				1200 fps			
3/4 oz	Universal	CCI 209SC	PC28	13.6 gr / 12,200 PSI			
3/4 oz	Universal	CCI 209SC	Rem. PT28	13.8 gr / 12,100 PSI			
3/4 oz	Universal	CCI 209SC	WAA28	13.8 gr / 11,600 PSI			
3/4 oz	Universal	Fed. 209A	WAA28	13.5 gr / 12,200 PSI			
3/4 oz	Universal	Rem. 209P	PC28	13.6 gr / 12,000 PSI			
3/4 oz	Universal	Rem. 209P	Rem. PT28	13.8 gr / 12,000 PSI			
3/4 oz	Universal	Rem. 209P	WAA28	13.9 gr / 11,700 PSI			
3/4 oz	Universal	Win. 209	PC28	13.5 gr / 12,400 PSI			
3/4 oz	Universal	Win. 209	Rem. PT28	13.8 gr / 12,100 PSI			
3/4 oz	Universal	Win. 209	WAA28	13.8 gr / 11,500 PSI			
3/4 oz	HS-6	CCI 209SC	Rem. PT28	17.0 gr / 10,900 PSI			
3/4 oz	HS-6	CCI 209SC	WAA28	17.0 gr / 10,300 PSI			
3/4 oz	HS-6	Fed. 209A	Rem. PT28	16.7 gr / 11,700 PSI			
3/4 oz	HS-6	Fed. 209A	WAA28	16.7 gr / 11,000 PSI			
3/4 oz	HS-6	Rem. 209P	Rem. PT28	17.1 gr / 11,000 PSI			
3/4 oz	HS-6	Rem. 209P	WAA28	17.1 gr / 10,400 PSI			
3/4 oz	HS-6	Win. 209	Rem. PT28	17.0 gr / 11,500 PSI			
3/4 oz	HS-6	Win. 209	WAA28	17.0 gr / 10,700 PSI			
				1225 fps	1250 fps	1275 fps	1300 fps
3/4 oz	Longshot	CCI209M	PC 28	14.4 gr / 12,000 PSI	14.9 gr / 12,300 PSI	—	—
3/4 oz	Longshot	CCI209M	Rem. PT28	14.1 gr / 11,100 PSI	14.6 gr / 11,900 PSI	—	—
3/4 oz	Longshot	CCI209M	WAA28	14.4 gr / 11,500 PSI	14.9 gr / 11,900 PSI	15.4 gr / 12,400 PSI	—
3/4 oz	Longshot	Fed. 209A	PC 28	14.3 gr / 12,000 PSI	—	—	—
3/4 oz	Longshot	Fed. 209A	Rem. PT28	14.0 gr / 11,700 PSI	15.3 gr / 12,500 PSI	—	—
3/4 oz	Longshot	Fed. 209A	WAA28	14.2 gr / 11,200 PSI	14.7 gr / 12,000 PSI	—	—
				1225 fps	1250 fps	1275 fps	1300 fps
3/4 oz	Longshot	Rem. 209P	PC 28	14.5 gr / 11,200 PSI	15.0 gr / 11,800 PSI	15.5 gr / 12,300 PSI	—
3/4 oz	Longshot	Rem. 209P	Rem. PT28	14.3 gr / 11,300 PSI	14.9 gr / 12,000 PSI	15.4 gr / 12,500 PSI	—
3/4 oz	Longshot	Rem. 209P	WAA28	14.3 gr / 11,000 PSI	14.8 gr / 11,600 PSI	15.2 gr / 12,000 PSI	15.6 gr / 12,400 PSI
3/4 oz	Longshot	Win. 209	PC 28	14.9 gr / 10,900 PSI	15.4 gr / 11,600 PSI	15.8 gr / 12,100 PSI	—
3/4 oz	Longshot	Win. 209	Rem. PT28	14.7 gr / 10,900 PSI	15.3 gr / 11,300 PSI	15.9 gr / 11,900 PSI	16.4 gr / 12,300 PSI
3/4 oz	Longshot	Win. 209	WAA28	14.5 gr / 10,700 PSI	15.1 gr / 11,200 PSI	15.6 gr / 11,600 PSI	16.2 gr / 12,200 PSI
				1150 fps		1200 fps	
3/4 oz	PB	Rem. 209P	PC28	—		13.0 gr / 12,100 PSI	
3/4 oz	PB	Rem. 209P	Rem. PT28	13.0 gr / 12,500 PSI		—	
3/4 oz	PB	Rem. 209P	WAA28	—		13.5 gr / 12,300 PSI	

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
28 GA., 2 3/4", REMINGTON STS PLASTIC SHELLS (CONT.)							
				1150 fps	1200 fps		
3/4 oz	SR 7625	Rem. 209P	Fed. 28S1	---	13.5 gr / 12,400 PSI		
3/4 oz	SR 7625	Rem. 209P	PC28	---	14.0 gr / 11,700 PSI		
3/4 oz	SR 7625	Rem. 209P	Rem. PT28	---	13.5 gr / 12,400 PSI		
3/4 oz	SR 7625	Rem. 209P	WAA28	---	14.0 gr / 11,800 PSI		
3/4 oz	SR 7625	Win. 209	PC28	---	14.0 gr / 12,200 PSI		
3/4 oz	SR 7625	Win. 209	Rem. PT28	---	14.0 gr / 12,500 PSI		
3/4 oz	SR 7625	Win. 209	WAA28	---	14.0 gr / 12,200 PSI		
3/4 oz	SR 4756	Fed. 209A	Fed. 28S1	---	14.0 gr / 12,300 PSI		
3/4 oz	SR 4756	Fed. 209A	PC28	---	14.5 gr / 12,200 PSI		
3/4 oz	SR 4756	Fed. 209A	Rem. PT28	---	14.0 gr / 12,500 PSI		
3/4 oz	SR 4756	Rem. 209P	Fed. 28S1	14.0 gr / 10,300 PSI	---		
3/4 oz	SR 4756	Rem. 209P	PC28	15.0 gr / 9,900 PSI	---		
3/4 oz	SR 4756	Win. 209	Fed. 28S1	14.0 gr / 11,500 PSI	---		
3/4 oz	SR 4756	Win. 209	PC28	---	15.0 gr / 11,200 PSI		
3/4 oz	SR 4756	Win. 209	Rem. PT28	14.0 gr / 11,000 PSI	---		
3/4 oz	800-X	Fed. 209A	CB 1034-28	---	13.0 gr / 10,800 PSI		
3/4 oz	800-X	Fed. 209A	Fed. 28S1	---	13.0 gr / 11,700 PSI		
3/4 oz	800-X	Fed. 209A	PC28	---	13.0 gr / 11,400 PSI		
3/4 oz	800-X	Fed. 209A	Rem. PT28	---	13.0 gr / 11,400 PSI		
3/4 oz	800-X	Fed. 209A	WAA28	---	13.0 gr / 11,000 PSI		
				1200 fps			
3/4 oz	800-X	Rem. 209P	CB 1034-28	13.5 gr / 10,300 PSI			
3/4 oz	800-X	Rem. 209P	Fed. 28S1	13.5 gr / 11,600 PSI			
3/4 oz	800-X	Rem. 209P	PC28	13.0 gr / 10,300 PSI			
3/4 oz	800-X	Rem. 209P	Rem. PT28	13.5 gr / 10,700 PSI			
3/4 oz	800-X	Rem. 209P	WAA28	13.5 gr / 10,300 PSI			
3/4 oz	800-X	Win. 209	CB 1034-28	13.5 gr / 10,800 PSI			
3/4 oz	800-X	Win. 209	Fed. 28S1	13.0 gr / 11,300 PSI			
3/4 oz	800-X	Win. 209	PC28	13.0 gr / 10,300 PSI			
3/4 oz	800-X	Win. 209	Rem. PT28	13.5 gr / 11,100 PSI			
3/4 oz	800-X	Win. 209	WAA28	13.0 gr / 10,400 PSI			
28 GA., 2 3/4" WINCHESTER AA HS AND SUPER-X HS PLASTIC SHELLS							
				1200 fps	1225 fps	1250 fps	1275 fps
3/4 oz	Universal	CCI 209M	BP SG 28	14.3 gr / 11,000 PS	14.6 / 11,800 PSI	---	---
3/4 oz	Universal	CCI 209M	Rem. PT28	14.1 gr / 10,200 PS	14.7 / 11,300 PSI	---	---
3/4 oz	Universal	CCI 209M	WAA28HS	14.2 gr / 12,100 PSI	---	---	---
3/4 oz	Universal	Rem. 209P	BP SG 28	14.2 gr / 10,400 PSI	14.7 / 11,100 PSI	---	---
3/4 oz	Universal	Rem. 209P	Fed. 28S1	13.8 gr / 11,600 PSI	14.5 / 12,000 PSI	---	---
3/4 oz	Universal	Rem. 209P	Rem. PT28	14.5 gr / 10,500 PSI	---	---	---
3/4 oz	Universal	Rem. 209P	WAA28HS	14 gr / 11,300 PSI	---	---	---
3/4 oz	Universal	Win. 209	BP SG 28	14.3 gr / 11,400 PSI	---	---	---
3/4 oz	Universal	Win. 209	Fed. 28S1	14.1 gr / 11,500 PSI	---	---	---
3/4 oz	Universal	Win. 209	Rem. PT28	14.3 gr / 10,700 PSI	14.7 / 11,300 PSI	---	---
3/4 oz	Universal	Win. 209	WAA28HS	14.1 gr / 12,200 PSI	---	---	---

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
28 GA., 2 3/4" WINCHESTER AA HS AND SUPER-X HS PLASTIC SHELLS (CONT.)							
				1200 fps	1225 fps	1250 fps	1275 fps
3/4 oz.	HS-6	CCI 209M	BP SG 28	18 gr / 10,100 PSI	---	---	---
3/4 oz.	HS-6	CCI 209M	WAA28HS	17.5 gr / 10,400 PSI	---	---	---
3/4 oz.	HS-6	Fed. 209A	BP SG 28	17.5 gr / 10,600 PSI	---	---	---
3/4 oz.	HS-6	Fed. 209A	WAA28HS	17.5 gr / 11,000 PSI	---	---	---
3/4 oz.	HS-6	Rem. 209P	BP SG 28	18 gr / 9,600 PSI	---	---	---
3/4 oz.	HS-6	Rem. 209P	WAA28HS	18 gr / 10,600 PSI	---	---	---
3/4 oz.	HS-6	Win. 209	BP SG 28	18 gr / 9,700 PSI	---	---	---
3/4 oz.	HS-6	Win. 209	WAA28HS	18 gr / 10,600 PSI	---	---	---
3/4 oz.	Longshot	CCI 209M	BP SG 28	13.9 gr / 9,700 PSI	14.5 gr / 10,400 PSI	15 gr / 10,900 PSI	15.5 gr / 11,500 PSI
3/4 oz.	Longshot	CCI 209M	Fed. 28S1	14 gr / 10,200 PSI	14.5 gr / 10,900 PSI	14.9 gr / 11,500 PSI	---
3/4 oz.	Longshot	CCI 209M	Rem. PT28	14.2 gr / 9,200 PSI	14.7 gr / 9,900 PSI	15.1 gr / 10,200 PSI	15.6 gr / 11,200 PSI
3/4 oz.	Longshot	CCI 209M	WAA28HS	14.1 gr / 10,700 PSI	14.5 gr / 11,200 PSI	15 gr / 11,900 PSI	---
3/4 oz.	Longshot	Fed. 209A	BP SG 28	14 gr / 9,700 PSI	14.6 gr / 10,200 PSI	15.2 gr / 10,800 PSI	---
3/4 oz.	Longshot	Fed. 209A	Fed. 28S1	14.1 gr / 10,000 PSI	14.6 gr / 10,900 PSI	15 gr / 11,000 PSI	---
3/4 oz.	Longshot	Fed. 209A	Rem. PT28	14.1 gr / 9,200 PSI	14.6 gr / 10,000 PSI	15 gr / 10,600 PSI	15.5 gr / 11,400 PSI
3/4 oz.	Longshot	Fed. 209A	WAA28HS	13.9 gr / 10,500 PSI	14.4 gr / 11,200 PSI	14.9 gr / 12,000 PSI	---
3/4 oz.	Longshot	Rem. 209P	BP SG 28	14.5 gr / 9,200 PSI	15 gr / 9,800 PSI	15.5 gr / 10,400 PSI	---
3/4 oz.	Longshot	Rem. 209P	Fed. 28S1	14.4 gr / 9,500 PSI	14.9 gr / 10,200 PSI	15.4 gr / 10,800 PSI	15.9 gr / 11,400 PSI
3/4 oz.	Longshot	Rem. 209P	Rem. PT28	14.7 gr / 8,700 PSI	15.1 gr / 9,400 PSI	15.6 gr / 10,200 PSI	16 gr / 10,800 PSI
3/4 oz.	Longshot	Rem. 209P	WAA28HS	14.5 gr / 9,900 PSI	14.9 gr / 10,600 PSI	15.4 gr / 11,400 PSI	---
3/4 oz.	Longshot	Win. 209	BP SG 28	14.4 gr / 9,200 PSI	14.9 gr / 9,700 PSI	15.5 gr / 10,200 PSI	16 gr / 10,800 PSI
3/4 oz.	Longshot	Win. 209	Fed. 28S1	14.5 gr / 9,500 PSI	14.9 gr / 10,100 PSI	15.3 gr / 10,700 PSI	15.7 gr / 11,200 PSI
3/4 oz.	Longshot	Win. 209	Rem. PT28	14.6 gr / 8,900 PSI	15.1 gr / 9,600 PSI	15.6 gr / 10,300 PSI	16 gr / 10,800 PSI
3/4 oz.	Longshot	Win. 209	WAA28HS	14.6 gr / 9,800 PSI	14.9 gr / 10,100 PSI	15.5 gr / 11,100 PSI	---
				1200 fps	1225 fps	1250 fps	
3/4 oz	SR 7625	CCI209M	PC28	14.3 gr / 12,400 PSI	---	---	
3/4 oz	SR 7625	CCI209M	Rem. PT 28	14.6 gr / 12,200 PSI	---	---	
3/4 oz	SR 7625	Fed. 209A	Rem. PT 28	14.2 gr / 12,500 PSI	---	---	
3/4 oz	SR 7625	Rem. 209P	Fed. 28S1	14.4 gr / 12,100 PSI	---	---	
3/4 oz	SR 7625	Rem. 209P	PC 28	14.7 gr / 11,800 PSI	15.2 gr / 12,200 PSI	---	
3/4 oz	SR 7625	Rem. 209P	Rem. PT28	14.7 gr / 11,300 PSI	15.2 gr / 11,900 PSI	---	
3/4 oz	SR 7625	Win. 209	Fed. 28S1	14.5 gr / 12,400 PSI	---	---	
3/4 oz	SR 7625	Win. 209	PC28	14.9 gr / 11,800 PSI	15.4 gr / 12,500 PSI	---	
3/4 oz	800-X	Fed. 209A	Rem. PT 28	13.6 gr / 10,900 PSI	14.0 gr / 11,400 PSI	14.4 gr / 12,100 PSI	
3/4 oz	800-X	Fed. 209A	WAA28HS	13.3 gr / 12,000 PSI	---	---	
3/4 oz	800-X	Rem. 209P	BP SG 28	14.0 gr / 10,200 PSI	14.5 gr / 11,000 PSI	15.0 gr / 11,700 PSI	
				1200 fps	1225 fps	1250 fps	1275 fps
3/4 oz	800-X	Rem. 209P	Fed. 28S1	13.7 gr / 11,200 PSI	14.2 gr / 11,900 PSI	---	---
3/4 oz	800-X	Rem. 209P	PC 28	13.7 gr / 10,000 PSI	14.2 gr / 10,500 PSI	14.8 gr / 11,200 PSI	15.3 gr / 11,700 PSI
3/4 oz	800-X	Rem. 209P	Rem. PT28	13.9 gr / 10,400 PSI	14.4 gr / 10,900 PSI	14.8 gr / 11,200 PSI	15.3 gr / 11,700 PSI
3/4 oz	800-X	Rem. 209P	WAA28HS	13.7 gr / 11,500 PSI	14.1 gr / 11,900 PSI	14.5 gr / 12,300 PSI	---
3/4 oz	800-X	Win. 209	BP SG 28	---	14.3 gr / 11,500 PSI	14.8 gr / 12,000 PSI	---
3/4 oz	800-X	Win. 209	Fed. 28S1	13.8 gr / 11,100 PSI	14.2 gr / 11,500 PSI	14.6 gr / 12,000 PSI	15.0 gr / 12,300 PSI
3/4 oz	800-X	Win. 209	PC28	13.7 gr / 10,500 PSI	14.2 gr / 10,900 PSI	14.7 gr / 11,400 PSI	15.2 gr / 11,900 PSI

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
28 GA., 2 3/4" WINCHESTER AA HS AND SUPER-X HS PLASTIC SHELLS (CONT.)							
				1200 fps	1225 fps	1250 fps	1275 fps
3/4 oz	800-X	Win. 209	Rem. PT28	13.6 gr / 9,800 PSI	14.2 gr / 10,400 PSI	14.8 gr / 11,100 PSI	15.4 gr / 11,700 PSI
3/4 oz	800-X	Win. 209	WAA28HS	13.5 gr / 11,700 PSI	14.0 gr / 12,200 PSI	—	—
3/4 oz	SR 7625	Win. 209	Rem. PT28	14.7 gr / 11,200 PSI	15.3 gr / 11,700 PSI	—	—
3/4 oz	SR 4756	CCI209M	Fed. 28S1	15.5 gr / 11,400 PSI	16.0 gr / 12,000 PSI	—	—
3/4 oz	SR 4756	CCI209M	PC28	16.3 gr / 10,500 PSI	16.6 gr / 10,900 PSI	17.0 gr / 11,500 PSI	17.4 gr / 12,100 PSI
3/4 oz	SR 4756	CCI209M	Rem. PT28	15.9 gr / 10,400 PSI	16.3 gr / 10,900 PSI	—	—
3/4 oz	SR 4756	Fed. 209A	Fed. 28S1	15.3 gr / 11,600 PSI	15.7 gr / 12,200 PSI	—	—
3/4 oz	SR 4756	Fed. 209A	PC28	15.7 gr / 11,500 PSI	16.1 gr / 12,000 PSI	16.5 gr / 12,400 PSI	—
3/4 oz	SR 4756	Fed. 209A	Rem. PT28	15.7 gr / 10,900 PSI	16.2 gr / 11,600 PSI	—	—
3/4 oz	SR 4756	Rem. 209P	PC28	16.1 gr / 10,400 PSI	16.4 gr / 10,800 PSI	16.8 gr / 11,300 PSI	—
3/4 oz	SR 4756	Win. 209	Fed. 28S1	15.5 gr / 11,100 PSI	—	—	—
3/4 oz	SR 4756	Win. 209	PC28	16.1 gr / 10,600 PSI	16.6 gr / 11,100 PSI	17.0 gr / 11,400 PSI	—
3/4 oz	800-X	CCI209M	WAA28HS	13.5 gr / 11,600 PSI	14.0 gr / 12,300 PSI	—	—
3/4 oz	800-X	CCI209M	BP SG 28	13.5 gr / 10,200 PSI	14.1 gr / 11,200 PSI	14.6 gr / 12,100 PSI	—
3/4 oz	800-X	CCI209M	Fed. 28S1	13.6 gr / 11,000 PSI	14.1 gr / 11,700 PSI	14.5 gr / 12,200 PSI	—
3/4 oz	800-X	CCI209M	PC28	13.5 gr / 10,200 PSI	14.0 gr / 10,900 PSI	14.5 gr / 11,500 PSI	15.1 gr / 12,300 PSI
3/4 oz	800-X	CCI209M	Rem. PT28	13.8 gr / 10,100 PSI	14.3 gr / 10,700 PSI	14.8 gr / 11,300 PSI	15.3 gr / 11,900 PSI
3/4 oz	800-X	Fed. 209A	BP SG 28	13.5 gr / 10,000 PSI	13.9 gr / 11,500 PSI	14.3 gr / 12,500 PSI	—
3/4 oz	800-X	Fed. 209A	Fed. 28S1	13.2 gr / 11,500 PSI	13.8 gr / 12,200 PSI	—	—
3/4 oz	800-X	Fed. 209A	PC 28	13.3 gr / 11,000 PSI	13.8 gr / 11,400 PSI	14.3 gr / 11,800 PSI	14.8 gr / 12,200 PSI
				1175 fps	1200 fps		
13/16 oz.	Longshot	CCI 209M	BP SG 28	14 gr / 10,800 PSI	—		
13/16 oz.	Longshot	CCI 209M	Fed. 28S1	14 gr / 11,700 PSI	—		
13/16 oz.	Longshot	CCI 209M	Rem. PT28	14.5 gr / 10,400 PSI	14.8 gr / 11,200 PSI		
13/16 oz.	Longshot	CCI 209M	WAA28HS	14 gr / 12,000 PSI	—		
13/16 oz.	Longshot	Fed. 209A	BP SG 28	14 gr / 11,100 PSI	—		
13/16 oz.	Longshot	Fed. 209A	Fed. 28S1	14 gr / 11,800 PSI	14.2 gr / 12,200 PSI		
13/16 oz.	Longshot	Fed. 209A	Rem. PT28	14.2 gr / 10,600 PSI	—		
13/16 oz.	Longshot	Fed. 209A	WAA28HS	14 gr / 12,100 PSI	—		
13/16 oz.	Longshot	Rem. 209P	BP SG 28	14.2 gr / 10,300 PSI	—		
13/16 oz.	Longshot	Rem. 209P	Fed. 28S1	14.2 gr / 11,200 PSI	—		
13/16 oz.	Longshot	Rem. 209P	Rem. PT28	14.3 gr / 9,900 PSI	—		
13/16 oz.	Longshot	Win. 209	BP SG 28	14.2 gr / 10,400 PSI	—		
13/16 oz.	Longshot	Win. 209	Fed. 28S1	14.3 gr / 11,400 PSI	—		
13/16 oz.	Longshot	Win. 209	Rem. PT28	14.5 gr / 9,700 PSI	—		
13/16 oz.	Longshot	Win. 209	WAA28HS	14.2 gr / 11,700 PSI	—		
				1150 fps	1175 fps	1200 fps	1225 fps
13/16 oz	SR 4756	CCI209M	PC28	15.1 gr / 10,800 PSI	15.6 gr / 11,500 PSI	—	—
13/16 oz	800-X	CCI209M	Fed. 28S1	—	13.4 gr / 12,200 PSI	13.8 gr / 12,500 PSI	—
13/16 oz	800-X	CCI209M	PC28	—	13.6 gr / 10,800 PSI	14.1 gr / 11,400 PSI	—
13/16 oz	800-X	CCI209M	Rem. PT28	—	13.8 gr / 10,800 PSI	—	—
13/16 oz	800-X	Fed. 209A	Fed. 28S1	—	13.5 gr / 12,300 PSI	—	—
13/16 oz	800-X	Fed. 209A	PC28	—	13.3 gr / 11,300 PSI	13.9 gr / 12,300 PSI	—
13/16 oz	800-X	Fed. 209A	Rem PT28	—	13.6 gr / 11,400 PSI	14.1 gr / 12,000 PSI	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*			
28 GA., 2 3/4" WINCHESTER AA HS AND SUPER-X HS PLASTIC SHELLS (CONT.)							
				1150 fps	1175 fps	1200 fps	1225 fps
13/16 oz	800 X	Rem. 209P	Fed. 28S1	—	13.3 gr / 11,800 PSI	13.9 gr / 12,500 PSI	—
13/16 oz	800 X	Rem. 209P	PC28	—	13.6 gr / 10,900 PSI	14.2 gr / 11,600 PSI	—
13/16 oz	800 X	Rem. 209 P	Rem. PT28	—	13.7 gr / 10,800 PSI	14.1 gr / 11,200 PSI	14.6 gr / 11,600 PSI
13/16 oz	800 X	Win. 209	Fed. 28S1	—	13.5 gr / 12,300 PSI	—	—
13/16 oz	800 X	Win. 209	PC 28	—	13.7 gr / 11,200 PSI	14.2 gr / 11,700 PSI	—
13/16 oz	800 X	Win. 209	Rem. PT28	—	13.8 gr / 10,700 PSI	14.3 gr / 11,400 PSI	—
				1225 fps	1275 fps		
7/8 oz.	Lil' Gun	Rem. 209P	BP SG28 II	23.9 gr / 9,600 PSI	25 gr / 10,600 PSI		
7/8 oz.	Lil' Gun	Win. 209	BP SG28 II	23.7 gr / 9,600 PS	25 gr / 10,500 PSI		
410 BORE, 2 1/2", CHEDDITE PLASTIC SHELLS							
				1200 fps	1225 fps		
1/2 oz	LIL' GUN	Ched. 209	Fed. 410SC	13.0 gr / 11,100 PSI	13.3 gr / 12,000 PSI		
1/2 oz	LIL' GUN	Ched. 209	Rem. SP410	12.8 gr / 11,400 PSI	13.1 gr / 11,800 PSI		
1/2 oz	LIL' GUN	Fio. 616	Fed. 410SC	13.0 gr / 11,600 PSI	13.3 gr / 11,900 PSI		
1/2 oz	LIL' GUN	Fio. 616	Rem. SP410	12.7 gr / 11,200 PSI	13.0 gr / 12,300 PSI		
1/2 oz	H110	Ched. 209	Fed. 410SC	15.7 gr / 8,700 PSI	16.0 gr / 9,900 PSI		
1/2 oz	H110	Ched. 209	Rem. SP410	15.5 gr / 8,800 PSI	15.7 gr / 9,800 PSI		
410 BORE, 2 1/2", FEDERAL TARGET SHELLS							
				1200 fps			
1/2 oz	LIL' GUN	CCI 209SC	Fed. 410SC	12.9 gr / 11,800 PSI			
1/2 oz	LIL' GUN	CCI 209SC	Rem. SP410	12.8 gr / 11,400 PSI			
1/2 oz	LIL' GUN	CCI 209SC	WAA41	12.8 gr / 11,700 PSI			
1/2 oz	LIL' GUN	Fed. 209A	Fed. 410SC	12.9 gr / 11,800 PSI			
1/2 oz	LIL' GUN	Fed. 209A	Rem. SP410	13.0 gr / 11,700 PSI			
1/2 oz	LIL' GUN	Fed. 209A	WAA41	13.0 gr / 11,100 PSI			
1/2 oz	LIL' GUN	Rem. 209P	Fed. 410SC	13.0 gr / 11,000 PSI			
1/2 oz	LIL' GUN	Rem. 209P	Rem. SP410	13.1 gr / 11,200 PSI			
1/2 oz	LIL' GUN	Rem. 209P	WAA41	13.1 gr / 10,800 PSI			
1/2 oz	LIL' GUN	Win. 209	Fed. 410SC	12.9 gr / 11,600 PSI			
1/2 oz	LIL' GUN	Win. 209	Orange PC	12.8 gr / 11,500 PSI			
1/2 oz	LIL' GUN	Win. 209	Rem. SP410	12.8 gr / 11,700 PSI			
1/2 oz	LIL' GUN	Win. 209	WAA41	12.8 gr / 11,700 PSI			
1/2 oz	H110	Fed. 209A	Fed. 410SC	15.0 gr / 10,200 PSI			
1/2 oz	H110	Fed. 209A	Orange PC	15.5 gr / 8,500 PSI			
1/2 oz	H110	Win. 209	Orange PC	15.5 gr / 8,400 PSI			
1/2 oz	H110	Win. 209	WAA41	15.0 gr / 9,700 PSI			
				1150 fps	1200 fps		
1/2 oz	IMF 4227	Fed. 209A	CB 1050-41	—	17.5 gr / 12,200 PSI		
1/2 oz	IMF 4227	Fed. 209A	Fed. 410SC	—	17.5 gr / 12,200 PSI		
1/2 oz	IMF 4227	Fed. 209A	PC410	17.0 gr / 12,500 PSI	—		
1/2 oz	IMF 4227	Fed. 209A	Rem. SP410	17.0 gr / 12,000 PSI	—		
1/2 oz	IMF 4227	Rem. 209P	Rem. SP410	—	18.5 gr / 10,700 PSI		

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
410 BORE, 2 1/2", FEDERAL TARGET SHELLS (CONT.)						
				1150 fps	1200 fps	
1/2 oz	IMR 4227	Win. 209	CB 1050-41	18.0 gr / 11,300 PSI	—	
1/2 oz	IMR 4227	Win. 209	PC410	—	18.5 gr / 11,800 PSI	
1/2 oz	IMR 4227	Win. 209	Rem. SP410	—	18.0 gr / 12,000 PSI	
410 BORE, 2 1/2", REMINGTON-PETERS "STS" PLASTIC SHELLS						
				1200 fps		
1/2 oz	LIL'GUN	CCI 209SC	Fed. 410SC	12.9 gr / 11,800 PSI		
1/2 oz	LIL'GUN	CCI 209SC	Orange PC	13.0 gr / 11,300 PSI		
1/2 oz	LIL'GUN	CCI 209SC	Rem. SP410	12.9 gr / 11,600 PSI		
1/2 oz	LIL'GUN	CCI 209SC	WAA41	12.8 gr / 11,300 PSI		
1/2 oz	LIL'GUN	Fed. 209A	Fed. 410SC	12.9 gr / 11,600 PSI		
1/2 oz	LIL'GUN	Fed. 209A	Orange PC	13.1 gr / 11,000 PSI		
1/2 oz	LIL'GUN	Fed. 209A	Rem. SP410	12.9 gr / 10,900 PSI		
1/2 oz	LIL'GUN	Fed. 209A	WAA41	12.9 gr / 11,200 PSI		
1/2 oz	LIL'GUN	Rem. 209P	Fed. 410SC	13.0 gr / 11,000 PSI		
1/2 oz	LIL'GUN	Rem. 209P	Orange PC	13.3 gr / 10,400 PSI		
1/2 oz	LIL'GUN	Rem. 209P	Rem. SP410	13.2 gr / 10,800 PSI		
1/2 oz	LIL'GUN	Rem. 209P	WAA41	13.0 gr / 10,600 PSI		
1/2 oz	LIL'GUN	Win. 209	Fed. 410SC	12.6 gr / 11,800 PSI		
1/2 oz	LIL'GUN	Win. 209	Orange PC	12.9 gr / 11,100 PSI		
1/2 oz	LIL'GUN	Win. 209	Rem. SP410	12.6 gr / 11,600 PSI		
1/2 oz	LIL'GUN	Win. 209	WAA41	12.9 gr / 11,500 PSI		
1/2 oz	H110	Fed. 209A	Fed. 410SC	14.2 gr / 10,600 PSI		
1/2 oz	H110	Rem. 209P	Fed. 410SC	14.7 gr / 9,600 PSI		
1/2 oz	H110	Rem. 209P	Orange PC	15.2 gr / 9,300 PSI		
1/2 oz	H110	Rem. 209P	Rem. SP410	14.8 gr / 8,900 PSI		
1/2 oz	H110	Win. 209	WAA41	14.0 gr / 10,000 PSI		
				1150 fps	1200 fps	
1/2 oz	IMR 4227	Fed. 209A	CB 1050-41	—	18.0 gr / 12,500 PSI	
1/2 oz	IMR 4227	Fed. 209A	Fed. 410SC	—	17.5 gr / 12,400 PSI	
1/2 oz	IMR 4227	Fed. 209A	PC410	—	17.5 gr / 12,500 PSI	
1/2 oz	IMR 4227	Win. 209	CB 1050-41	18.0 gr / 11,000 PSI	—	
1/2 oz	IMR 4227	Win. 209	PC410	17.5 gr / 11,200 PSI	—	
410 BORE, 2 1/2", WINCHESTER AA HS PLASTIC SHELLS						
				1200 fps	1250 fps	1300 fps
1/2 oz	Lil'Gun	CCI 209M	Fed. 410SC	13.2 gr / 12,300 PSI	—	—
1/2 oz	Lil'Gun	CCI 209M	Orange PC	13.3 gr / 11,500 PSI	—	—
1/2 oz	Lil'Gun	CCI 209M	Rem. SP410	13.2 gr / 11,700 PSI	—	—
1/2 oz	Lil'Gun	CCI 209M	WAA41HS	13.3 gr / 12,100 PSI	—	—
1/2 oz	Lil'Gun	Fed. 209A	Fed. 410SC	13.3 gr / 11,900 PSI	—	—
1/2 oz	Lil'Gun	Fed. 209A	Orange PC	13.4 gr / 11,000 PSI	—	—
1/2 oz	Lil'Gun	Fed. 209A	Rem. SP410	13.3 gr / 11,600 PSI	—	—
1/2 oz	Lil'Gun	Fed. 209A	WAA41HS	13.7 gr / 11,900 PSI	—	—
1/2 oz	Lil'Gun	Rem. 209P	Fed. 410SC	13.5 gr / 11,800 PSI	—	—

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE*		
410 BORE, 2 1/2", WINCHESTER AA HS PLASTIC SHELLS (CONT.)						
				1200 fps	1250 fps	1300 fps
1/2 oz.	Lil'Gun	Rem. 209P	Orange PC	13.3 gr / 10,600 PSI	—	—
1/2 oz.	Lil'Gun	Rem. 209P	Rem. SP410	13.5 gr / 11,200 PSI	—	—
1/2 oz.	Lil'Gun	Rem. 209P	WAA41HS	13.8 gr / 11,600 PSI	—	—
1/2 oz.	Lil'Gun	Win. 209	Fed. 410SC	13.2 gr / 11,500 PSI	—	—
1/2 oz.	Lil'Gun	Win. 209	Orange PC	13.3 gr / 10,900 PSI	—	—
1/2 oz.	Lil'Gun	Win. 209	Rem. SP410	13.3 gr / 11,100 PSI	—	—
1/2 oz.	Lil'Gun	Win. 209	WAA41HS	13.5 gr / 11,700 PSI	—	—
1/2 oz.	H110	CCI 209M	Fed. 410SC	14.3 gr / 10,100 PSI	—	—
1/2 oz.	H110	CCI 209M	Rem. SP410	14.5 gr / 9,600 PSI	15.2 gr / 10,100 PSI	16.2 gr / 11,900 PSI
1/2 oz.	H110	CCI 209M	WAA41HS	14.5 gr / 9,900 PSI	15.1 gr / 10,700 PSI	16 gr / 11,700 PSI
1/2 oz.	H110	Fed. 209A	Fed. 410SC	14.6 gr / 9,600 PSI	15.3 gr / 10,200 PSI	16.3 gr / 11,300 PSI
1/2 oz.	H110	Fed. 209A	Orange PC	15.2 gr / 8,600 PSI	15.7 gr / 9,300 PSI	16.8 gr / 10,200 PSI
1/2 oz.	H110	Fed. 209A	Rem. SP410	14.6 gr / 8,600 PSI	15.3 gr / 9,400 PSI	16.3 gr / 10,400 PSI
1/2 oz.	H110	Fed. 209A	WAA41HS	14.6 gr / 9,600 PSI	15.3 gr / 10,200 PSI	16.5 gr / 10,800 PSI
1/2 oz.	H110	Rem. 209P	Rem. SP410	16 gr / 6,900 PSI	16.5 gr / 8,400 PSI	17.4 gr / 9,300 PSI
1/2 oz.	H110	Rem. 209P	WAA41HS	16 gr / 7,400 PSI	16.5 gr / 9,000 PSI	17.6 gr / 9,900 PSI
1/2 oz.	H110	Win. 209	Fed. 410SC	15.2 gr / 9,400 PSI	15.7 gr / 10,000 PSI	16.3 gr / 11,000 PSI
1/2 oz.	H110	Win. 209	Orange PC	15.5 gr / 8,100 PSI	16.1 gr / 8,600 PSI	17 gr / 9,800 PSI
1/2 oz.	H110	Win. 209	Rem. SP410	15 gr / 8,300 PSI	15.5 gr / 9,200 PSI	16.7 gr / 10,100 PSI
1/2 oz.	H110	Win. 209	WAA41HS	15.3 gr / 8,900 PSI	16.3 gr / 9,300 PSI	16.7 gr / 10,400 PSI
1/2 oz.	296	Win. 209	WAA41HS	15.3 gr / 8,900 PSI	—	—
410 BORE, 3", FEDERAL PLASTIC GAME SHELLS						
				1135 fps		
11/16 oz	LIL'GUN	Fed. 209A	Fed. 410SC	13.0 gr / 13,400 PSI		
11/16 oz	LIL'GUN	Fed. 209A	WAA41	13.0 gr / 12,400 PSI		
11/16 oz	LIL'GUN	Rem. 209P	Rem. SP410	13.1 gr / 12,900 PSI		
11/16 oz	LIL'GUN	Win. 209	Fed. 410SC	12.9 gr / 13,500 PSI		
11/16 oz	LIL'GUN	Win. 209	WAA41	12.8 gr / 12,900 PSI		
11/16 oz	H110	Fed. 209A	Fed. 410SC	14.9 gr / 12,300 PSI		
11/16 oz	H110	Win. 209	WAA41	15.0 gr / 11,800 PSI		
410 BORE, 3", REMINGTON "SP" PLASTIC SHELLS						
				1135 fps		
11/16 oz	LIL'GUN	Rem. 209P	Rem. SP410	12.8 gr / 12,900 PSI		
11/16 oz	LIL'GUN	Win. 209	WAA41	12.7 gr / 13,500 PSI		
11/16 oz	H110	Rem. 209P	Rem. SP410	15.0 gr / 11,800 PSI		
11/16 oz	H110	Win. 209	WAA41	14.5 gr / 12,800 PSI		
				1125fps	1175 fps	
11/16 oz	IMR 4227	Fed. 209A	Rem. SP410	—	19.0 gr / 13,300 PSI	
11/16 oz	IMR 4227	Rem. 209P	Rem. SP410	19.0 gr / 10,900 PSI	—	
11/16 oz	IMR 4227	Win. 209	Rem. SP410	19.0 gr / 11,600 PSI	—	
410 BORE, 3", WINCHESTER SUPER-X HS PLASTIC SHELLS						
				1225 fps	1250 fps	
5/8 oz.	H110	CCI 209	WAA41HS	16.9 gr / 12,100 PSI	17.3 gr / 12,600 PSI	



HODGDON
THE GUN POWDER PEOPLE



SERIOUS KNOCK DOWN POWER.

At 2,000 feet per second, a bullet powered by a pair of Magnums Pellets will knock 'em down hard. No more runaway trophies. No more blood trails to follow. Just muzzleloading power that leaves a big impression.

NEVER LET ANOTHER ONE GET AWAY.



**triple
seven**

Magnums

triple seven®

Easy Clean Muzzleloading Propellant

*The black powder substitute
that cleans up with water*

Triple Seven is a revolutionary black powder substitute that cleans up with water alone...even your hands will come clean with just water. You won't have to worry about strong smells either...that and the time-consuming clean-up are both eliminated when you use Triple Seven. Triple Seven granular powder delivers higher velocity for flatter, more accurate shooting. Triple Seven Pellets, are designed to have the same velocity as the famous Pyrodex Pellet, so switching over to the quick clean-up Triple Seven Pellet is amazingly easy. Triple Seven Pellets provide the modern muzzleloader fast, no spill, easy loading, with instant ignition. Clean up with water-- no smell--you get it all with Triple Seven.

Triple Seven granulated powder is available in grades 2F and 3F. Triple Seven Pellets for rifle are available in 50 Caliber, 50 and 30 grain volume equivalent, and 45 Caliber, 50 grain volume equivalent. Fifty Caliber Triple Seven Magnums were introduced in 2007. Two Magnums yield 2000 fps with a 250 grain bullet in a 26" barrel, resulting in flatter trajectory and harder hitting performance. Performance found only with Triple Seven Pellets.





More hunters put their trust in Pyrodex powders and Pellets for second-season deer than in black powder. From the original black powder substitute (Pyrodex RS) to quick-loading Pyrodex Pellets - designed for today's modern in-line muzzleloaders--Hodgdon has the right powder for you. Pyrodex products are safer and cleaner burning than common black powder. So when it comes to muzzleloading, your propellant choice is easy. Pyrodex.. Pyrodex comes in three granular grades, RS, Select and P.

Pyrodex Pellets give the modern muzzleloader speed and safety in a preformed charge. They offer quick and safe no-spill loading, instant ignition, and faster second shots. Available in 44 Caliber, 30 grain volume equivalent for pistol; 50 Caliber, 50 and 30 grain volume equivalent for rifle; and 54 Caliber, 60 grain volume equivalent for rifle.

RELOADING REVOLUTIONIZED

Hodgdon the Gun Powder People offer the most comprehensive reloading tables available online at no charge

 **HODGDON**
THE BRAND THAT'S TRUE
www.hodgdon.com

 **IMR**
LEGENDARY POWDERS
www.imrpowder.com

WINCHESTER
SMOKELESS PROPELLANT
www.wvpowder.com

FAST

Just click any of above web sites

QUICK

1st page you see will allow you access
Click on the designated area marked Reloading Data Center. Read the warnings and click I agree.

EASY

The next page select your preference to reload:
Click on either cartridge or shotshell



For more information call 913-362-9455 • E-mail: help@hodgdon.com
Hodgdon Powder Co. • 6231 Robinson • Shawnee Mission, KS 66202

