



**SMOKELESS POWDER
RELOADER'S GUIDE**



Why IMR Powders Are Still The Most Recommended Choices For Reloading Centerfire Rifle Cartridges.

There are two basic reasons why these IMR rifle powders remain the preferred choices of serious reloaders for a wide variety of centerfire rifle cartridges. First, they have a totally proven track record. No other powders have been used longer, in a greater number of reloads, with more reliable consistency and dependable quality. Second, they offer exceptional flexibility in tailoring loads to your exact reloading goals of accuracy, economy, maximum velocities, or even a combination of these. If you browse through the recommended loads in independent reloading manuals and those of expert gunwriters, you'll also find that they are still dominated by IMR powders.

IMR 4350 was one of the first slow-burning powders that dramatically improved the reloaded performance of higher velocity, medium-bore cartridges. It's a near-perfect powder for magnum cases in the 25- to 30-caliber range, and for necked-down rounds such as the .25-06 Rem. and .270 Win. But its best claim to fame is its remarkable track record of superb accuracy in a wide range of calibers from 22 to 375.

IMR 4320 is a valuable, tailored-load powder that falls between IMR 4350 and 4895 in relative quickness. A favored choice of shooters using the .308 Win. (7.62 NATO) in serious match competition, it also performs superbly in 22- to 24-caliber accuracy rounds.

IMR 4895 remains the unchallenged standard for the .30-06 and provides versatile, all-around performance for those who prefer use

of a single powder over a wide spectrum of calibers.

IMR 4064 is still considered to be the best choice for high velocity, small-bore rounds such as the .22-250 Rem. and .220 Swift, and is a versatile, dependable powder for use in all medium-capacity cases between 24 and 35 caliber.

IMR 3031 has long been one of the most effective powders for the venerable .30-30 Win. and provides excellent results in small, medium-velocity rounds such as the .222 and .223 Remington.

IMR 4198 and **4227** are both historical choices for consistent accuracy in smaller varmint cartridges such as the .222 Remington and .22 Hornet.

SR 4759 continues to be one of the most effective powders available for reduced-load applications in cases up to 30 caliber.

There's one more reason to consider IMR powders for all your reloading needs. They are backed by an unbroken 197-year tradition of quality and reliability for American shooters.

For a free copy of the comprehensive *IMR Handloader's Guide*, ask your dealer or write to IMR, P.O. Box 2932, Shawnee Mission, KS 66201.

Visit us on the web at: www.imrpowder.com





IMR

Warning

Ballistic data shown in this manual was obtained in IMR'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.

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

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 IMR Powders

Smokeless Pistol & Shotgun Powders

In Order of Approximate Burning Rate

Hi-Skor 700-X: This extruded flake type powder is ideally suited for shotshell 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.

PB: PB is great for Trap, Skeet, and Sporting Clays where heavy 1 oz. and 1 1/8 oz. 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.


SR 7625: SR7625 covers the wide range of shotshells from 10 gauge to 28 gauge in both target and field loadings. This 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, 357 Magnum 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, SR4756 performs extremely well in the big handgun cartridges. Always a top choice.

SR 4759: This bulky handgun powder works great in the magnums, but 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 line-up. If it says magnum, IMR4227 is the choice for true magnum velocities and performance. In rifle, this powder delivers excellent velocity and accuracy in such cartridges as the 22 Hornet and 221 Fireball.

 IMR Powders

Smokeless Rifle Powders

In Order of Approximate Burning Rate

IMR 4198: 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.

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 a great 30-30 Winchester powder.

IMR 4895: Originally a military powder featured in the 30-06, IMR4895 is extremely versatile. From 17 Remington to the 243 Winchester to the 375 H&H Magnum, accuracy and performance are excellent. In addition, it is a long time favorite of Match shooters.

IMR 4064: The most versatile propellant in the IMR spectrum. 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. It has long been a top choice for the vintage 300 Savage cartridge, as well.

IMR 4350: The number one choice for the new short magnums, both Remington and Winchester versions. For magnums with light to medium bullet weights, IMR4350 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 Mag., the 30-378 Weatherby Magnum and 7mm Remington Ultra Magnum. This powder is highly regarded by most magnum aficionados.

*Hi-Skor 700-X and Hi-Skor 800-X are double-base powders and all other IMR powders are single base this translates into small groups at extended ranges!



Handloading Powder Selection Guide

SMOKELESS POWDER

	Shotshell						Handgun	Rifle	Container Net Wt. Lbs.		
	10 GA	12 GA	16 GA	20 GA	28 GA	410 BORE			CANISTER	KEG	KEG
Hi-Skor 700X		X	X				X		14 oz.	4	8
Hi-Skor 800X	X	X	X	X	X		X		1	4	8
PB		X	X	X	X		X		14 oz.	4	8
SR 7625	X	X	X	X	X		X		1	4	8
SR 4756	X	X	X	X	X		X		1	4	8
SR 4759							X	X	1	4	8
IMR 4227						X	X	X	1	-	8
IMR 4198							X	X	1	-	8
IMR 3031							X	X	1	-	8
IMR 4064							X	X	1	-	8
IMR 4895							X	X	1	-	8
IMR 4320							X	X	1	-	8
IMR 4350							X	X	1	-	8
IMR 4831								X	1	-	8
IMR7828								X	1	-	8

Wad chart

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

WAA12: WT12 Winchester, CB01118, CB1118-12, Black Magic, Blue Duster
WAA12SL: CB1100-12. Green Duster, WAA12L, (in 7/8 oz. loads only) CB0178-12
Federal 12S0: CB2100-12
Federal 12S3: CB2118-0-12
Remington Fig. 8: CB3118-12A

Windjammer: CB4118-12
WAA20: CB1078-20, Duster 20
WAA28: CB1034-28, Duster 28
WAA41: CB1050-41, Duster 410
Federal 410 SC: CB1050-41
Remington SP410: CB1050-41
WAA12R: CB1138-12
WAA12F114: CB1114-12

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

SMOKELESS POWDER

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.

Continued Smokeless Powder Properties

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

▶ 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.

Smokeless Powders

Recommendations for Storage

STORE IN A COOL, DRY PLACE. Be sure the storage area selected is free from any possible sources of excess heat and is isolated from open flame, furnaces, hot water heaters, etc. Do not store smokeless powder where it will be exposed to the sun's rays. Avoid storage in areas where mechanical or electrical equipment is in operation. Restrict from the storage areas heat, or sparks which may result from improper defective or overloaded electrical circuits.

DO NOT STORE SMOKELESS POWDER IN THE SAME AREA WITH SOLVENTS, FLAMMABLE GASES OR HIGHLY COMBUSTIBLE MATERIALS.

STORE ONLY IN DEPARTMENT OF TRANSPORTATION APPROVED CONTAINERS. Do not transfer the powder from an approved container into one which is not approved.

DO NOT SMOKE IN AREAS WHERE POWDER IS STORED OR USED. Place appropriate "No Smoking" signs in these areas.

DO NOT SUBJECT THE STORAGE CABINETS TO CLOSE CONFINEMENT. STORAGE CABINETS SHOULD BE CONSTRUCTED OF INSULATING MATERIALS AND WITH A WEAK WALL, SEAMS OR JOINTS TO PROVIDE AN EASY MEANS OF SELF-VENTING.

DO NOT KEEP OLD OR SALVAGED POWDERS. Check old powders for deterioration regularly. Destroy deteriorated powders immediately.

OBEY ALL REGULATIONS REGARDING QUANTITY AND METHODS OF STORING. Do not store all your powders in one place. If you can, maintain separate storage locations. Many small containers are safer than one or more large containers.

KEEP YOUR STORAGE AND USE AREA CLEAN. Clean up spilled powder promptly. Make sure the surrounding area is free of trash or other readily combustible materials.

Smokeless Powders

10-3 Smokeless Propellants

10-3.1 Quantities of smokeless propellants not exceeding 25 lb (11.3 kg), in shipping containers approved by the U.S. Department of Transportation, may be transported in a private vehicle.

10-3.2 Quantities of smokeless propellants exceeding 25 lb (11.3 kg) but not exceeding 50 lb (22.7 kg), transported in a private vehicle, shall be transported in a portable magazine having wood walls of at least 1 in. (25.4 mm) nominal thickness.

10-3.3 Transportation of more than 50 lb (22.7 kg) of smokeless propellants in a private vehicle is prohibited.

10-3.4 Commercial shipments of smokeless propellants in quantities not exceeding 100 lb (45.4 kg) are classified for transportation purposes as flammable solids when packaged according to U.S. Department of Transportation Hazardous Materials Regulations (Title 49, *Code of Federal Regulations*, Part 173.197a), and shall be transported accordingly.

10-3.5 Commercial shipments of smokeless propellants exceeding 100 lb (45.4 kg) or not packaged in accordance with the regulations cited in 10-3.4 shall be transported according to U.S. Department of Transportation regulations for Class B propellant explosives.

10-3.6 Smokeless propellants shall be stored in shipping containers specified by U.S. Department of Transportation Hazardous Materials Regulations.

10-3.7 Smokeless propellants intended for personal use in quantities not exceeding 20 lb (9.1 kg) may be stored in original containers in residences. Quantities exceeding 20 lb (9.1 kg), but not exceeding 50 lb (22.7 kg), may be stored in residences if kept in a wooden box or cabinet having walls of at least 1 in. (25.4 mm) nominal thickness.

10-3.8 Not more than 20 lb (9.1 kg) of smokeless propellants, in containers of 1 lb (0.45 kg) maximum capacity, shall be displayed in commercial establishments.

continued 10-3 Smokeless Propellants

10-3.9 Commercial stocks of smokeless propellants shall be stored as follows:

- a) Quantities exceeding 20 lb (9.1 kg), but not exceeding 100 lb (45.4 kg), shall be stored in portable wooden boxes having walls of at least 1 in. (25.4 mm) thickness.
- b) Quantities exceeding 100 lb (45.4 kg), but not exceeding 800 lb (363 kg), shall be stored in nonportable storage cabinets having walls of at least 1 in (25.4 mm) thickness. Not more than 400 lb (181 kg) may be stored in any one cabinet and cabinets shall be separated by a distance of at least 25 ft (7.63 m) or by a fire partition having a fire resistance of at least 1 hour.
- c) Quantities exceeding 800 lb (363 kg), but not exceeding 5,000 lb (2268 kg), may be stored in a building if the following requirements are met:
 1. The warehouse or storage room shall not be accessible to unauthorized personnel.
 2. Smokeless propellant shall be stored in nonportable storage cabinets having wood walls at least 1 in. (25.4 mm) thick and having shelves with no more than 3 ft. (0.92 m) separation between shelves.
 3. No more than 400 lb. (181 kg) shall be stored in any one cabinet..
 4. Cabinets shall be located against walls of the storage room or warehouse with at least 40 ft (12.2 m) between cabinets.
 5. Separation between cabinets may be reduced to 20 ft (6.1 m) if barricades twice the height of the cabinets are attached to the wall, midway between each cabinet. The barricades shall extend at least 10 ft. (3 m) outward, shall be firmly attached to the wall, and shall be constructed of 1/4 in. (6.4 mm) boiler plate, 2 in. (51 mm) thick wood, brick, or concrete block.
 6. Smokeless propellant shall be separated from materials classified by the U.S. Department of Transportation as flammable liquids, flammable solids, and oxidizing materials by a distance of 25 ft. (7.63 m) or by a fire partition having a fire resistance of at least 1 hour.
 7. The building shall be protected by an automatic sprinkler system installed according to NFPA 13, *Standard for the Installation of Sprinkler Systems*.
- d) Smokeless propellants not stored according to (a), (b) and (c) above shall be stored in a Type 4 magazine constructed and located according to Chapter 6.

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RIFLE data

The loads shown in this section should be followed just as they are printed. These loads are like recipes. The closer they are followed, the better the resultant load.

NEVER Exceed the Loads Listed in This Publication

For all brands of 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).

Brands

BAR - Barnes
 BER - Berger
 BLX - Bull-X
 FA - Freedom Arms
 HDY - Hornady
 NOS - Nosler
 REM - Remington
 SIE - Sierra
 SFT - Swift
 SPR - Speer
 WIN - Winchester

Primers

LR - Large Rifle
 LRM - Large Rifle Magnum
 SR - Small Rifle
 SRM - Small Rifle Magnum

Data

C - Compressed Powder Charge
 PR - Primer
 BBL - Barrel
 COL - Cartridge Overall Length
 REF - Reformed

Bullets

A-Max - Hornady Match
 BR - Bench Rest
 BT - Ballistic Tip
 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
 JFP - Jacketed Flat Point
 JHC - Jacketed Hollow Cavity
 JHP - Jacketed Hollow Point
 JRN - Jacketed Round Nose
 JSP - Jacketed Soft Point
 JSWC - Jacketed Semi-Wadcutter
 LBBWC - Lead Bevel Base Wadcutter
 LFP - Lead Flat Point
 LHBWC - Lead Hollow Base Wadcutter
 LRN - Lead Round Nose
 LSWC - Lead Semi-Wadcutter
 MK - Match King
 MT-SP - Mag Tip Soft Point
 PSPCL - Pointed Soft Point "Core-Lokt"
 RN - Round Nose
 SB - Solid Base
 SJ - Short Jacket
 SP - Soft Point, Spitzer, Spire Point
 SPBT - Soft Point Boat Tail
 ST - Silvertip
 TMJ - Totally Metal Jacket
 UCHP - Uni-cor Hollow Point
 WC - Wadcutter
 X - X Bullet
 XFB - X Flat Base
 XBT - X Boat Tail
 XBTC - X Boat Tail Coated

RIFLE data

BULLET	POWDER	GR	VEL	CUP
17 REMINGTON				
BBL: 24"			CASE: REMINGTON	
			PR: REMINGTON 7 1/2	
COL: 2.100"				
25 GR. REM HP				
IMR 4064	24.0C	4005	50,700 CUP	
IMR 4895	23.5	3995	51,400 CUP	
IMR 3031	22.5	4015	51,700 CUP	
22 HORNET				
BBL: 25"			CASE: REMINGTON	
			PR: REMINGTON 6 1/2	
COL: 1.720"				
45 GR. HDY SP				
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				
BBL: 25"			CASE: REMINGTON	
			PR: REMINGTON 7 1/2	
COL: 2.130"				
45 GR. HDY SP				
IMR 4320	26.0C	3115	39,700 CUP	
IMR 4064	24.0C	2910	31,700 CUP	
IMR 4895	25.5C	3165	39,500 CUP	
IMR 3031	23.5C	3045	38,400 CUP	
IMR 4198	21.5	3315	45,000 CUP	
IMR 4227	17.5	3055	44,000 CUP	
SR 4759	16.5	2925	44,000 CUP	
50 GR. HDY SPSX				
IMR 4320	26.0C	3065	40,800 CUP	
IMR 4064	23.5C	2875	34,200 CUP	
IMR 4895	25.0C	3085	43,100 CUP	
IMR 3031	23.5C	3045	38,400 CUP	
IMR 4198	20.5	3130	44,500 CUP	
IMR 4227	17.5	2965	45,500 CUP	
SR 4759	16.5	2845	45,000 CUP	
55 GR. REM PTD SP				
IMR 4320	25.5C	2985	43,500 CUP	
IMR 4064	23.5C	2825	34,100 CUP	
IMR 4895	25.0C	3085	45,900 CUP	
IMR 3031	23.0C	2945	38,300 CUP	
IMR 4198	20.0	2990	42,600 CUP	
IMR 4227	17.0	2835	45,800 CUP	
SR 4759	15.5	2665	44,200 CUP	
223 REMINGTON				
BBL: 24"			CASE: REMINGTON	
			PR: REMINGTON 7 1/2	
COL: 2.190"				
45 GR. SIE SP				
IMR 4320	27.5C	3200	45,100 CUP	
IMR 4064	25.5C	3300	42,200 CUP	
IMR 4895	26.5C	3280	45,900 CUP	
IMR 3031	25.5C	3300	42,200 CUP	
IMR 4198	22.0	3360	50,300 CUP	
IMR 4227	17.5	3085	51,400 CUP	
SR 4759	17.5	3040	51,000 CUP	
50 GR. SIE SP				
IMR 4320	27.5C	3200	48,300 CUP	
IMR 4064	25.5C	3150	44,200 CUP	
IMR 4895	26.5C	3270	48,800 CUP	
IMR 3031	25.5C	3225	45,300 CUP	

BULLET	POWDER	GR	VEL	CUP
55 GR. HDY SP SX				
IMR 4320	27.0C	3075	50,300 CUP	
IMR 4064	25.5C	3090	49,200 CUP	
IMR 4895	26.0	3120	51,100 CUP	
IMR 3031	25.0C	3165	50,900 CUP	
222 REMINGTON MAGNUM				
BBL: 24"			CASE: REMINGTON	
			PR: REMINGTON 7 1/2	
COL: 2.280"				
45 GR. REM SP				
IMR 4320	28.0	3340	50,000 CUP	
IMR 4064	27.0C	3245	41,600 CUP	
IMR 4895	28.0	3425	49,000 CUP	
IMR 3031	26.5C	3375	43,800 CUP	
IMR 4198	23.0	3420	50,000 CUP	
SR 4759	17.0	3010	49,200 CUP	
50 GR. HDY SPSX				
IMR 4320	27.5	3260	49,700 CUP	
IMR 4064	27.0C	3320	49,300 CUP	
IMR 4895	27.0	3310	49,500 CUP	
IMR 3031	26.0C	3350	49,000 CUP	
IMR 4198	21.5	3255	49,500 CUP	
SR 4759	17.0	2935	49,700 CUP	
55 GR. REM. SP				
IMR 4320	27.0	3095	50,200 CUP	
IMR 4064	26.5C	3180	50,000 CUP	
IMR 4895	26.0	3115	49,600 CUP	
IMR 3031	25.5	3215	49,900 CUP	
IMR 4198	20.5	3090	50,000 CUP	
SR 4759	16.0	2685	50,000 CUP	
22-250 REMINGTON				
BBL: 24"			CASE: REMINGTON	
			PR: REMINGTON 9 1/2	
COL: 2.350"				
50 GR. SIE SP				
IMR 4350	40.0C	3565	47,000 CUP	
IMR 4320	37.0	3700	53,000 CUP	
IMR 4064	35.0	3745	52,100 CUP	
IMR 4895	36.0	3755	52,700 CUP	
IMR 3031	35.0	3785	52,700 CUP	
SR 4759	23.0	3205	52,500 CUP	
55 GR. REM PTD SP				
IMR 4350	39.5C	3495	47,700 CUP	
IMR 4320	36.0	3540	51,500 CUP	
IMR 4064	35.5	3625	52,500 CUP	
IMR 4895	35.5	3645	53,000 CUP	
IMR 3031	34.0	3640	53,000 CUP	
SR 4759	22.0	3100	53,000 CUP	
220 SWIFT				
BBL: 24"			CASE: REMINGTON	
			PR: REMINGTON 9 1/2	
COL: 2.680"				
50 GR. SIE SP				
IMR 4350	43.5C	3740	49,100 CUP	
IMR 4320	40.0	3790	53,000 CUP	
IMR 4064	39.5	3895	52,500 CUP	
IMR 4895	38.5	3805	52,100 CUP	
IMR 3031	37.5	3845	51,400 CUP	
SR 4759	25.5	3345	53,000 CUP	
60 GR. HDY SP				
IMR 4831	42.5C	3555	53,000 CUP	

NEVER Exceed the Loads Listed in This Publication

Rifle data

BULLET	POWDER	GR	VEL	CUP
IMR 4350	39.5	3500	53,000	CUP
IMR 4320	36.5	3480	52,800	CUP
IMR 4064	35.5	3505	52,300	CUP
IMR 4895	34.5	3470	53,000	CUP
IMR 3031	34.0	3470	52,300	CUP
SR 4759	23.5	2980	52,500	CUP

243 WINCHESTER
BBL: 24" CASE: WINCHESTER
PR: FEDERAL 210

55 GR. NOS BT COL: 2.580"				
IMR 4064	44.0	3900	56,000	PSI

80 GR. REM PTD SP COL: 2.640"				
IMR 4831	48.5C	3265	46,900	CUP
IMR 4350	48.0C	3345	51,700	CUP
IMR 4320	42.5	3280	51,700	CUP
IMR 4064	42.5	3360	52,000	CUP
IMR 4895	41.0	3305	52,000	CUP
IMR 3031	39.5	3260	51,100	CUP
SR 4759	25.5	2710	51,300	CUP

85 GR. BAR XBTC COL: 2.670"				
IMR 4831	46.0	3170	54,000	PSI
IMR 4350	45.0	3170	55,000	PSI
IMR 4320	38.5	3100	57,000	PSI
IMR 4895	38.0	3100	55,600	PSI

100 GR. HDY SP COL: 2.670"				
IMR 4831	39.5	2880	57,000	PSI
IMR 4350	38.2	2850	56,000	PSI
IMR 4895	34.0	2790	56,000	PSI

6MM REMINGTON
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 COL: 2.735"				
IMR 7828	48.0C	3040	48,000	CUP
IMR 4831	45.5	3095	52,000	CUP
IMR 4350	43.5	3055	52,000	CUP
IMR 4320	37.0	2875	51,300	CUP
IMR 4064	38.0	2945	51,000	CUP
IMR 4895	35.5	2880	51,600	CUP
IMR 3031	36.5	2925	52,000	CUP
SR 4759	23.5	2400	51,600	CUP

240 WEATHERBY MAGNUM
BBL: 26" CASE: WEATHERBY
PR: FEDERAL 210

70 GR. HDY SP COL: 3.063"				
IMR 7828	56.0C	3505	47,500	CUP

87 GR. HDY SP COL: 3.063"				
IMR 7828	54.5C	3360	50,700	CUP

100 GR. NOS PART COL: 3.063"				
IMR 7828	53.5C	3240	52,000	CUP

BULLET	POWDER	GR	VEL	CUP
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250-3000 SAVAGE
BBL: 24" CASE: REMINGTON
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 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

257 ROBERTS
BBL: 24" CASE: REMINGTON
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
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
BBL: 24" CASE: REMINGTON
PR: FEDERAL 210

87 GR. SIE SP COL: 3.100"				
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 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

115 GR BAR X COL: 3.175"				
IMR 4350	45.3	2860	60,000	PSI
IMR 7828	51.5	2900	57,000	PSI
IMR 4831	46.2	2830	60,000	PSI

R

data

BULLET	POWDER	GR	VEL	CUP
115 GR. NOS BT				
				COL: 3.175"
IMR 7828	55.5	3040	57,000 PSI	
IMR 4831	50.7	3030	60,000 PSI	
IMR 4350	48.7	3000	59,000 PSI	
120 GR. SIE HPBT				
				COL: 3.100"
IMR 7828	55.0	3105	52,800 CUP	
IMR 4831	50.0	2945	52,000 CUP	
IMR 4350	48.5	2950	51,500 CUP	
IMR 4320	43.0	2850	51,700 CUP	
IMR 4064	43.5	2885	52,300 CUP	
IMR 4895	40.5	2805	52,600 CUP	
IMR 3031	40.5	2800	52,000 CUP	
SR 4759	27.5	2315	52,000 CUP	
257 WEATHERBY MAGNUM				
BBL: 26"		CASE: WEATHERBY PR: FEDERAL 215		
87 GR. HDY SP				
IMR 7828	74.5	3775	53,500 CUP	COL: 3.170"
100 GR. NOS PART				
IMR 7828	73.0	3655	53,100 CUP	COL: 3.160"
117 GR. HDY BTSP				
IMR 7828	70.0	3390	52,600 CUP	COL: 3.170"
120 GR. NOS PART				
IMR 7828	69.0	3325	53,000 CUP	COL: 3.170"
260 REMINGTON				
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 SP				
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	
129 GR. HDY SP				
IMR 7828	45.0	2775	57,200 PSI	COL: 2.780"
IMR 4831	43.0	2785	58,300 PSI	
IMR 4350	41.5	2765	57,300 PSI	
IMR 4320	36.5	2685	58,600 PSI	
IMR 4064	36.5	2690	58,300 PSI	
IMR 4895	36.5	2725	58,100 PSI	
IMR 3031	33.0	2590	56,800 PSI	
140 GR. REM PSPCL				
IMR 7828	47.0C	2755	57,200 PSI	COL: 2.780"
IMR 4831	44.0	2715	57,000 PSI	
IMR 4350	43.0	2715	57,000 PSI	
IMR 4320	36.0	2600	57,600 PSI	

BULLET	POWDER	GR	VEL	CUP
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	
160 GR. HDY RN				
				COL: 2.800"
IMR 7828	45.0	2580	58,100 PSI	
IMR 4831	41.5	2520	57,200 PSI	
IMR 4350	40.5	2520	57,400 PSI	

6.5 X 55MM SWEDISH MAUSER

		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	

6.5MM REMINGTON MAGNUM

		CASE: REMINGTON PR: REMINGTON 9 1/2 M		
BBL: 24"				
100 GR. SPR HP				
				COL: 2.800"
IMR 4831	58.0	3335	52,300 CUP	
IMR 4350	56.0	3300	52,500 CUP	
IMR 4320	49.0	3210	51,700 CUP	
IMR 4064	51.0	3330	52,900 CUP	
IMR 4895	48.0	3255	52,600 CUP	
IMR 3031	48.0	3240	52,500 CUP	
SR 4759	32.5	2740	52,900 CUP	
120 GR. SPR SP				
				COL: 2.800"
IMR 4831	54.0	3060	52,900 CUP	
IMR 4350	51.0	3000	52,200 CUP	
IMR 4320	46.5	2965	52,500 CUP	
IMR 4064	46.5	2975	52,000 CUP	
IMR 4895	45.0	2960	53,000 CUP	
IMR 3031	44.5	2925	53,000 CUP	
SR 4759	32.0	2575	52,900 CUP	

264 WINCHESTER MAGNUM

		CASE: REMINGTON PR: REMINGTON 9 1/2 M		
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	

NEVER Exceed the Loads Listed in This Publication

RIFLE data

BULLET	POWDER	GR	VEL	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
BBL: 24" CASE: REMINGTON
PR: REMINGTON 9 1/2

BULLET	POWDER	GR	VEL	CUP
100 GR. REM PSP				
			COL: 3.075"	
IMR 7828	61.0C	3300	52,000 CUP	
IMR 4831	59.5C	3325	51,300 CUP	
IMR 4350	57.5	3300	51,500 CUP	
IMR 4320	51.0	3340	51,000 CUP	
IMR 4064	52.0	3400	50,900 CUP	
IMR 4895	49.0	3310	52,000 CUP	
IMR 3031	48.5	3320	51,300 CUP	
SR 4759	30.5	2720	41,200 CUP	

BULLET	POWDER	GR	VEL	CUP
130 GR. NOS PART				
			COL: 3.250"	
IMR 7828	60.0C	3140	52,000 CUP	
IMR 4831	56.5	3080	51,200 CUP	
IMR 4350	55.0	3075	51,100 CUP	
IMR 4320	45.5	2880	51,400 CUP	
IMR 4064	48.0	3030	51,200 CUP	
IMR 4895	46.0	2945	52,000 CUP	
IMR 3031	45.5	2945	51,700 CUP	
SR 4759	27.5	2260	51,300 CUP	

BULLET	POWDER	GR	VEL	CUP
140 GR. SIE HPBT				
			COL: 3.252"	
IMR 7828	56.5	2860	55,000 PSI	
IMR 4831	55.0	2980	62,000 PSI	

BULLET	POWDER	GR	VEL	CUP
150 GR. REM SPCL				
			COL: 3.250"	
IMR 7828	59.0C	2985	51,000 CUP	
IMR 4831	55.0	2920	51,400 CUP	
IMR 4350	53.5	2920	51,800 CUP	
SR 4759	26.0	2045	51,600 CUP	

270 WINCHESTER SHORT MAGNUM
BBL: 24" CASE: WINCHESTER
PR: REMINGTON 9 1/2 M

BULLET	POWDER	GR	VEL	CUP
130 GR. NOS BT				
			COL: 2.800"	
IMR 7828	68.0	3244	61,500 PSI	
IMR 4831	63.8	3234	62,900 PSI	
IMR 4350	62.5	3244	63,100 PSI	

BULLET	POWDER	GR	VEL	CUP
140 GR. SFT SP				
			COL: 2.800"	
IMR 7828	65.2	3135	62,000 PSI	
IMR 4831	60.3	3096	62,900 PSI	
IMR 4350	58.3	3074	62,700 PSI	

BULLET	POWDER	GR	VEL	CUP
150 GR. NOS BT				
			COL: 2.800"	
IMR 7828	66.5C	3059	60,800 PSI	
IMR 4831	61.6	3021	62,900 PSI	
IMR 4350	60.0	3016	62,600 PSI	

BULLET	POWDER	GR	VEL	CUP
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270 WEATHERBY MAGNUM CASE: WEATHERBY
BBL: 26" PR: FEDERAL 215

BULLET	POWDER	GR	VEL	CUP
100 GR. HDY SP				
			COL: 3.250"	
IMR 7828	78.5C	3645	48,200 CUP	

BULLET	POWDER	GR	VEL	CUP
130 GR. NOS PART				
			COL: 3.250"	
IMR 7828	76.0	3500	53,000 CUP	

BULLET	POWDER	GR	VEL	CUP
140 GR. HDY BTSP				
			COL: 3.295"	
IMR 7828	73.5	3325	53,000 CUP	

BULLET	POWDER	GR	VEL	CUP
150 GR. NOS PART				
			COL: 3.250"	
IMR 7828	72.0	3215	53,600 CUP	

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

BULLET	POWDER	GR	VEL	CUP
130 GR. HDY SP				
			COL: 2.800"	
IMR 4320	41.5	2800	50,400 CUP	
IMR 4064	42.5	2835	51,300 CUP	
IMR 4895	40.5	2790	51,000 CUP	
IMR 3031	40.5	2830	51,900 CUP	
SR 4759	26.5	2270	51,800 CUP	

BULLET	POWDER	GR	VEL	CUP
162 GR. HDY BTSP				
			COL: 2.800"	
IMR 4320	40.0	2625	51,500 CUP	
IMR 4064	39.0C	2535	46,500 CUP	
IMR 4895	38.5	2595	52,000 CUP	
IMR 3031	38.0C	2585	51,100 CUP	
SR 4759	24.5	2060	51,800 CUP	

BULLET	POWDER	GR	VEL	CUP
168 GR. SIE BTHP				
			COL: 2.800"	
IMR 4320	40.0C	2590	51,800 CUP	
IMR 4064	38.0C	2475	46,000 CUP	
IMR 4895	38.0C	2535	51,400 CUP	
IMR 3031	37.0C	2515	50,500 CUP	
SR 4759	24.0	1995	50,500 CUP	

7x57MM MAUSER

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

BULLET	POWDER	GR	VEL	CUP
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	

BULLET	POWDER	GR	VEL	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	
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	

BULLET	POWDER	GR	VEL	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	

R data

BULLET	POWDER	GR	VEL	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
BBL: 24" CASE: REMINGTON
PR: FEDERAL 215

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

150 GR. REM PSPCL		COL: 3.315"
IMR 4831	57.5	2990 51,600 CUP
IMR 4350	55.5	2965 52,000 CUP
IMR 4320	45.0	2760 51,100 CUP
IMR 4064	47.5	2825 51,100 CUP
IMR 4895	43.0	2705 51,200 CUP
IMR 3031	45.5	2800 51,800 CUP
SR 4759	29.5	2310 51,900 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
IMR 4350	49.0	2625 52,000 CUP
IMR 4320	41.5	2505 51,900 CUP
IMR 4064	43.5	2535 52,000 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
BBL: 24" CASE: WINCHESTER
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

160 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

BULLET	POWDER	GR	VEL	CUP
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7MM REMINGTON S.A. ULTRA MAG
CASE: REMINGTON
PR: REMINGTON 9 1/2M

140 GR. BAR XBT		COL: 2.815"
IMR 7828	63.5C	3035 58,700 PSI
IMR 4831	60.6	3099 62,300 PSI
IMR 4350	59.2	3115 63,100 PSI

140 GR. NOS PART		COL: 2.815"
IMR 7828	65.0C	3104 58,600 PSI
IMR 4831	62.3	3173 62,700 PSI
IMR 4350	61.2	3174 62,000 PSI

150 GR. SFT SCIR		COL: 2.815"
IMR 7828	63.5C	3028 61,700 PSI
IMR 4831	59.3	3022 63,200 PSI
IMR 4350	57.8	3023 63,000 PSI

154 GR. HDY SP		COL: 2.815"
IMR 7828	63.4	3016 63,400 PSI
IMR 4831	58.7	2963 62,200 PSI
IMR 4350	57.3	2964 62,400 PSI

160 GR. NOS PART		COL: 2.815"
IMR 7828	63.3	2996 63,600 PSI
IMR 4831	58.6	2928 62,400 PSI
IMR 4350	56.9	2929 63,000 PSI

7MM WINCHESTER SHORT MAGNUM
CASE: WINCHESTER
PR: REMINGTON 9 1/2M

140 GR. BAR XBT		COL: 2.830"
IMR 7828	68.0C	3104 59,600 PSI
IMR 4831	64.3	3130 63,000 PSI
IMR 4350	63.2	3155 63,200 PSI

150 GR. NOS BT		COL: 2.830"
IMR 7828	68.0C	3089 61,900 PSI
IMR 4831	63.5	3068 63,000 PSI
IMR 4350	62.0	3072 62,800 PSI

160 GR. NOS PART		COL: 2.830"
IMR 7828	65.5	3004 62,900 PSI
IMR 4831	59.3	2922 62,700 PSI
IMR 4350	58.3	2925 62,800 PSI

175 GR. HDY SP		COL: 2.830"
IMR 7828	62.1	2811 62,600 PSI
IMR 4831	57.0	2753 63,400 PSI
IMR 4350	56.5	2760 62,800 PSI

7MM REMINGTON MAGNUM
CASE: REMINGTON
PR: FEDERAL 215

140 GR. BAR XBTLT		COL: 3.270"
IMR 7828	72.3C	3100 58,000 PSI
IMR 4831	66.5	3040 56,000 PSI
IMR 4350	65.3	3060 58,000 PSI

150 GR. NOS BT		COL: 3.290"
IMR 7828	68.2	3000 57,000 PSI
IMR 4831	63.2	2960 57,000 PSI
IMR 4350	60.6	2940 56,000 PSI

NEVER Exceed the Loads Listed in This Publication

RIFLE data

BULLET POWDER GR VEL CUP

BULLET	POWDER	GR	VEL	CUP
150 GR. SFT SCIR				
IMR 7828	67.1	2980	COL: 3.270"	
IMR 4831	62.0	2940	56,000 PSI	
IMR 4350	58.8	2930	57,000 PSI	
160 GR. NOS PART				
IMR 7828	66.0	2940	COL: 3.290"	
IMR 4831	60.2	2860	57,000 PSI	
IMR 4350	58.7	2880	56,000 PSI	

7MM WEATHERBY MAGNUM

BULLET	POWDER	GR	VEL	CUP
BBL: 26"				
CASE: WEATHERBY PR: FEDERAL 215				
139 GR. HDY SP				
IMR 7828	76.0C	3335	COL: 3.068"	
			51,500 CUP	
140 GR. NOS PART				
IMR 7828	76.5C	3390	COL: 3.250"	
			53,300 CUP	
154 GR. HDY SP				
IMR 7828	74.5C	3250	COL: 3.337"	
			53,400 CUP	
160 GR. NOS PART				
IMR 7828	73.5	3210	COL: 3.337"	
			53,500 CUP	
175 GR. HDY SP				
IMR 7828	70.5	2975	COL: 3.360"	
			53,000 CUP	

7MM SHOOTING TIMES WESTERNER

BULLET	POWDER	GR	VEL	CUP
BBL: 24"				
CASE: REMINGTON PR: FEDERAL 215				
120 GR. BAR XFB				
IMR 7828	80.0	3495	COL: 3.580"	
IMR 4831	74.0	3445	62,900 PSI	
IMR 4350	73.0	3460	63,400 PSI	
140 GR. NOS BT				
IMR 7828	79.5	3335	COL: 3.580"	
IMR 4831	74.0	3285	61,200 PSI	
IMR 4350	71.5	3285	62,500 PSI	
150 GR. NOS BT				
IMR 7828	77.0	3190	COL: 3.580"	
IMR 4831	69.5	3110	61,600 PSI	
IMR 4350	67.5	3110	61,700 PSI	
160 GR. SFT SP				
IMR 7828	76.0	3110	COL: 3.600"	
IMR 4831	68.5	3010	62,300 PSI	
IMR 4350	66.5	2995	62,400 PSI	

7MM REMINGTON ULTRA MAGNUM

BULLET	POWDER	GR	VEL	CUP
BBL: 24"				
CASE: REMINGTON PR: FEDERAL 215				
140 GR. BAR XFB				
IMR 7828	86.8	3290	COL: 3.600"	
IMR 4831	79.3	3220	62,000 PSI	
140 GR. NOS PART				
IMR 7828	88.6	3350	COL: 3.600"	
IMR 4831	80.2	3270	62,000 PSI	
150 GR. SFT SCIR				
IMR 7828	86.0	3230	COL: 3.600"	
IMR 4831	76.8	3150	61,000 PSI	
160 GR. NOS PART				
IMR 7828	84.5	3140	COL: 3.600"	
			62,000 PSI	

BULLET POWDER GR VEL CUP

BULLET	POWDER	GR	VEL	CUP
IMR 4831	76.5	3050	61,000 PSI	
30 CARBINE				
BBL: 18"				
CASE: REMINGTON PR: REMINGTON 6 1/2				
100 GR. HDY SJ				
IMR 4227	16.0C	2005	COL: 1.760"	
SR 4759	11.0C	1575	40,000 CUP	
110 GR. HDY RN				
IMR 4227	15.0C	1900	COL: 1.680"	
SR 4759	11.0C	1545	40,000 CUP	

30-30 WINCHESTER

BULLET	POWDER	GR	VEL	CUP
BBL: 24"				
CASE: REMINGTON PR: REMINGTON 9 1/2				
150 GR. SIE RN				
IMR 4320	33.0	2250	COL: 2.550"	
IMR 4064	33.7	2300	38,000 PSI	
IMR 4895	33.3	2310	40,000 PSI	
IMR 3031	31.1	2300	40,000 PSI	
IMR 4198	24.6	2190	39,000 PSI	
170 GR. HDY FP				
IMR 4320	32.0	2090	COL: 2.545"	
IMR 4064	31.6	2120	39,000 PSI	
IMR 4895	31.5	2130	40,000 PSI	
IMR 3031	29.7	2110	40,000 PSI	
IMR 4198	23.6	2020	39,000 PSI	

30-40 KRAG

BULLET	POWDER	GR	VEL	CUP
BBL: 25.5"				
CASE: WINCHESTER PR: WINCHESTER LR				
150 GR. SPR SP				
IMR 4350	48.5C	2615	COL: 3.000"	
IMR 4320	37.0	2420	36,300 CUP	
IMR 4064	44.0	2695	39,700 CUP	
IMR 4895	36.0	2435	39,000 CUP	
IMR 3031	42.0	2695	39,700 CUP	
SR 4759	24.5	2080	39,600 CUP	
180 GR. REM SPCL				
IMR 4831	49.0C	2425	COL: 3.000"	
IMR 4350	46.0C	2445	35,900 CUP	
IMR 4320	35.5	2210	38,700 CUP	
IMR 4064	41.0	2435	38,100 CUP	
IMR 4895	35.5	2270	39,000 CUP	
IMR 3031	38.0	2375	38,800 CUP	
SR 4759	24.0	1940	39,300 CUP	

300 SAVAGE

BULLET	POWDER	GR	VEL	CUP
BBL: 24"				
CASE: REMINGTON PR: REMINGTON 9 1/2				
150 GR. SPR SP				
IMR 4320	41.5	2555	COL: 2.600"	
IMR 4064	40.0	2565	46,000 CUP	
IMR 4895	40.0	2570	45,400 CUP	
IMR 3031	38.5	2575	45,900 CUP	
SR 4759	23.5	2095	44,500 CUP	
180 GR. SPR RN				
IMR 4350	44.0C	2350	COL: 2.600"	
IMR 4320	40.0	2390	41,900 CUP	
IMR 4064	38.5	2395	46,000 CUP	
IMR 4895	38.5	2390	45,900 CUP	
IMR 3031	37.0	2390	45,700 CUP	

NEVER Exceed the Loads Listed in This Publication

R data

BULLET	POWDER	GR	VEL	CUP
	SR 4759	22.5	1910	45,500 CUP

308 WINCHESTER		CASE: REMINGTON		
BBL: 24"		PR: FEDERAL 210		
150 GR. NOS BT		COL: 2.755"		
IMR 4320	45.8	2830	59,000 PSI	
IMR 4064	45.0C	2840	58,000 PSI	
IMR 4895	45.5	2880	59,000 PSI	
IMR 3031	42.5	2750	57,000 PSI	
165 GR. BAR XFB		COL: 2.800"		
IMR 4320	43.0	2600	58,000 PSI	
IMR 4064	42.5	2600	58,000 PSI	
IMR 4895	43.7	2650	59,000 PSI	
165 GR. SIE HPBT		COL: 2.755"		
IMR 4064	42.5	2640	57,000 PSI	
IMR 4895	43.3	2680	59,000 PSI	

30-06		CASE: REMINGTON		
BBL: 24"		PR: FEDERAL 210		
150 GR. NOS BT		COL: 3.300"		
IMR 4350	59.0C	2960	57,000 PSI	
IMR 4064	51.3	2940	57,000 PSI	
IMR 4895	49.0	2880	57,000 PSI	
165 GR. NOS BT		COL: 3.335"		
IMR 4831	56.0	2760	56,000 PSI	
IMR 4350	57.2	2840	57,000 PSI	
IMR 4064	48.7	2750	57,000 PSI	
IMR 4895	47.0	2710	57,000 PSI	
180 GR. SIE SPBT		COL: 3.325"		
IMR 4831	55.8	2700	57,000 PSI	
IMR 4350	54.3	2670	55,000 PSI	
IMR 4064	46.0	2600	55,000 PSI	

300 H&H MAGNUM		CASE: REMINGTON		
BBL: 24"		PR: REMINGTON 9 1/2M		
150 GR. REM SPCL		COL: 3.550"		
IMR 4831	75.5C	3200	53,100 CUP	
IMR 4350	73.0	3215	53,600 CUP	
IMR 4320	58.0	2970	53,700 CUP	
IMR 4064	64.0	3170	53,800 CUP	
IMR 4895	55.0	2960	54,000 CUP	
IMR 3031	60.0	3100	54,000 CUP	
SR 4759	40.0	2455	53,600 CUP	
180 GR. REM SPCL		COL: 3.520"		
IMR 4831	73.0C	3035	53,500 CUP	
IMR 4350	69.0	2990	54,000 CUP	
IMR 4320	57.5	2795	53,800 CUP	
IMR 4064	60.0	2875	53,400 CUP	
IMR 4895	54.5	2760	53,800 CUP	
IMR 3031	57.0	2815	53,400 CUP	
SR 4759	38.0	2330	54,000 CUP	
220 GR. REM SPCL		COL: 3.575"		
IMR 4831	67.0	2710	54,000 CUP	
IMR 4350	65.0	2695	54,000 CUP	
IMR 4064	56.5	2565	53,300 CUP	
SR 4759	36.5	2030	54,000 CUP	

BULLET	POWDER	GR	VEL	CUP
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300 REMINGTON S.A. ULTRA MAGNUM

CASE: REMINGTON
PR: REMINGTON 9 1/2M

BBL: 24"		CASE: REMINGTON		
150 GR. NOS BT		COL: 2.815"		
IMR 4831	65.0C	3050	55,700 PSI	
IMR 4350	65.0C	3140	60,100 PSI	
IMR 4064	57.5	3148	62,100 PSI	
IMR 3031	53.5	3085	62,400 PSI	
165 GR. SPR GS-SP		COL: 2.690"		
IMR 4350	64.0C	3029	62,600 PSI	
IMR 4064	56.6	2989	63,100 PSI	
180 GR. BAR XBT		COL: 2.815"		
IMR 4831	60.9C	2763	56,000 PSI	
IMR 4350	60.9C	2859	63,400 PSI	
IMR 4064	53.3	2807	62,200 PSI	
180 GR. SPR GS-SP		COL: 2.695"		
IMR 4831	63.0C	2836	58,500 PSI	
IMR 4350	62.7	2902	62,800 PSI	
IMR 4064	54.8	2822	62,400 PSI	
200 GR. SPR GS-SP		COL: 2.695"		
IMR 4831	59.5C	2649	56,300 PSI	
IMR 4350	59.5C	2732	61,800 PSI	
IMR 4064	52.5	2663	63,100 PSI	

300 WINCHESTER SHORT MAGNUM

CASE: WINCHESTER
PR: FEDERAL 215

BBL: 24"		CASE: WINCHESTER		
150 GR. NOS PART		COL: 2.860"		
IMR 4831	70.0C	3230	62,000 PSI	
IMR 4350	68.8	3240	62,000 PSI	
165 GR. NOS PART		COL: 2.860"		
IMR 4831	67.0	3070	62,000 PSI	
IMR 4350	65.5	3080	62,000 PSI	
180 GR. NOS BT		COL: 2.860"		
IMR 4831	65.6C	2940	62,000 PSI	
IMR 4350	65.0	2970	62,000 PSI	
200 GR. SPR GS		COL: 2.860"		
IMR 4831	61.1	2722	62,000 PSI	
IMR 4350	60.0	2740	62,000 PSI	

300 WINCHESTER MAGNUM

CASE: WINCHESTER
PR: FEDERAL 215

BBL: 24"		CASE: WINCHESTER		
150 GR. SIE SP		COL: 3.330"		
IMR 7828	79.0C	3134	62,800 PSI	
IMR 4831	71.5	3136	63,700 PSI	
IMR 4350	68.0	3096	62,400 PSI	
165 GR. NOS PART		COL: 3.330"		
IMR 7828	79.3	3110	60,000 PSI	
IMR 4831	73.0	3100	61,000 PSI	
IMR 4350	71.5	3110	61,000 PSI	
180 GR. NOS PART		COL: 3.330"		
IMR 7828	77.0C	2930	56,000 PSI	
IMR 4831	71.5	2950	59,000 PSI	
IMR 4350	69.0	2970	61,000 PSI	

RIFLE data

BULLET	POWDER	GR	VEL	CUP
180 GR. SFT SCIR				
IMR 7828	74.5	2880	56,000 PSI	COL: 3.340"
IMR 4831	69.7	2930	60,000 PSI	
IMR 4350	67.8	2930	60,000 PSI	
300 WEATHERBY MAGNUM				
BBL: 24"		CASE: REMINGTON PR: FEDERAL 215		
150 GR. NOS PART				
IMR 7828	89.0C	3425	49,900 CUP	COL: 3.520"
165 GR. BAR XBT				
IMR 7828	81.7	3146	61,300 PSI	COL: 3.560"
IMR 4831	77.0	3120	60,600 PSI	
IMR 4350	75.0	3127	61,600 PSI	
165 GR. SFT SP				
IMR 7828	82.0	3173	62,000 PSI	COL: 3.520"
IMR 4831	78.5	3192	62,400 PSI	
IMR 4350	74.5	3139	61,100 PSI	
180 GR. NOS PART				
IMR 7828	80.3	3079	61,400 PSI	COL: 3.560"
IMR 4831	76.0	3036	60,600 PSI	
IMR 4350	71.5	3000	61,700 PSI	
200 GR. SPR GS				
IMR 7828	80.0	2912	60,900 PSI	COL: 3.500"
300 REMINGTON ULTRA MAGNUM				
BBL: 24"		CASE: REMINGTON PR: FEDERAL 215		
165 GR. BAR XFB				
IMR 7828	89.0	3200	61,000 PSI	COL: 3.600"
IMR 4831	82.5	3150	61,000 PSI	
IMR 4350	81.7	3170	61,000 PSI	
165 GR. SFT SP				
IMR 7828	91.2	3260	60,000 PSI	COL: 3.550"
IMR 4831	85.5	3240	62,000 PSI	
IMR 4350	83.0	3250	62,000 PSI	
180 GR. NOS PART				
IMR 7828	87.0	3140	61,000 PSI	COL: 3.600"
IMR 4831	81.4	3070	60,000 PSI	
IMR 4350	80.5	3110	62,000 PSI	
180 GR. SFT SCIR				
IMR 7828	88.6	3100	59,000 PSI	COL: 3.600"
IMR 4831	82.9	3060	60,000 PSI	
IMR 4350	79.0	3070	62,000 PSI	
200 GR. NOS PART				
IMR 7828	85.8	2990	61,000 PSI	COL: 3.600"
IMR 4831	80.2	2920	61,000 PSI	
IMR 4350	78.0	2940	62,000 PSI	
7.62 x 39MM RUSSIAN				
BBL: 20"		CASE: IMI PR: CCI 200		
125 GR. SPR SP				
IMR 4198	24.0	2250	42,500 CUP	COL: 2.180"
IMR 4227	18.5	1995	44,100 CUP	
150 GR. REM PSPCL				
IMR 4198	22.5	2070	43,600 CUP	COL: 2.210"

BULLET	POWDER	GR	VEL	CUP
IMR 4227	18.0	1885	44,400 CUP	
303 BRITISH				
BBL: 24"		CASE: WINCHESTER PR: REMINGTON 9 1/2		
150 GR. SPR				
IMR 4064	44.7	2699	46,400 PSI	COL: 3.035"
IMR 4895	44.2	2689	46,600 PSI	
IMR 3031	41.0	2632	46,100 PSI	
180 GR. SIE SP				
IMR 4064	41.1	2400	45,700 PSI	COL: 3.035"
IMR 4895	41.0	2399	46,100 PSI	
IMR 3031	38.3	2341	46,500 PSI	
8 x 57MM MAUSER				
BBL: 25"		CASE: WINCHESTER PR: WINCHESTER LR		
150 GR. SPR SP				
IMR 4831	47.0	2325	36,800 CUP	COL: 2.945"
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				
IMR 4831	46.0	2255	37,000 CUP	COL: 2.840"
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	
8MM REMINGTON MAGNUM				
BBL: 24"		CASE: REMINGTON PR: REMINGTON 9 1/2M		
185 GR. REM PSPCL				
IMR 4831	79.5	3095	52,900 CUP	COL: 3.560"
IMR 4350	77.5	3090	53,100 CUP	
IMR 4320	62.0	2850	53,000 CUP	
IMR 4064	66.5	2975	54,000 CUP	
IMR 4895	61.0	2855	53,300 CUP	
IMR 3031	62.5	2895	53,100 CUP	
SR 4759	45.0	2480	52,600 CUP	
220 GR. REM PSPCL				
IMR 4831	76.0	2845	53,800 CUP	COL: 3.560"
IMR 4350	72.0	2795	53,000 CUP	
IMR 4320	59.5	2595	51,200 CUP	
IMR 4064	62.5	2700	53,800 CUP	
IMR 4895	59.0	2615	51,300 CUP	
IMR 3031	59.0	2620	53,000 CUP	
SR 4759	42.0	2180	54,000 CUP	

NEVER Exceed the Loads Listed in This Publication

RIFLE data

BULLET	POWDER	GR	VEL	CUP
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338 WINCHESTER MAGNUM

BBL: 24"		CASE: WINCHESTER PR: WINCHESTER LR		
200 GR. WIN PPT SP				
IMR 4831	76.0C	3020	51,000 CUP	COL: 3.330"
IMR 4350	73.0	3030	53,900 CUP	
IMR 4320	63.0	2875	54,000 CUP	
IMR 4064	64.0	2920	54,000 CUP	
IMR 4895	61.0	2880	53,700 CUP	
IMR 3031	61.0	2860	54,000 CUP	
SR 4759	39.5	2335	54,000 CUP	
210 GR. NOS PART				
IMR 7828	75.0C	2790	56,000 PSI	COL: 3.300"
IMR 4831	72.0	2860	60,000 PSI	
IMR 4350	68.7	2830	60,000 PSI	
250 GR. SFT SP				
IMR 7828	71.5C	2590	59,000 PSI	COL: 3.300"
IMR 4831	66.8	2550	60,000 PSI	
IMR 4350	65.0	2560	60,000 PSI	
300 GR. WIN PPT SP				
IMR 4831	68.5C	2480	54,000 CUP	COL: 3.330"
IMR 4350	64.5	2410	53,800 CUP	
IMR 4064	56.0	2305	53,800 CUP	
SR 4759	34.5	1795	54,000 CUP	

338 REMINGTON ULTRA MAGNUM

BBL: 24"		CASE: REMINGTON PR: FEDERAL 215		
200 GR. NOS BT				
IMR 7828	94.2	3180	62,000 PSI	COL: 3.600"
IMR 4831	88.7	3160	62,000 PSI	
IMR 4350	85.6	3150	62,000 PSI	
225 GR. NOS PART				
IMR 7828	92.0	3000	61,000 PSI	COL: 3.595"
IMR 4831	84.2	2940	61,000 PSI	
IMR 4350	81.4	2940	62,000 PSI	
250 GR. SFT SP				
IMR 7828	88.3	2820	61,000 PSI	COL: 3.525"
IMR 4831	81.8	2770	61,000 PSI	
IMR 4350	79.5	2750	61,000 PSI	

357 MAGNUM (RIFLE)

BBL: 18.5"		CASE: REMINGTON PR: REMINGTON 5 1/2		
125 GR. HDY XTP				
IMR 4227	20.0C	1935	34,100 CUP	COL: 1.590"
SR 4756	9.2	1615	35,800 CUP	
SR 7625	7.4	1460	35,300 CUP	
PB	7.2	1435	34,600 CUP	
700-X	6.7	1455	35,700 CUP	
158 GR. HDY XTP				
IMR 4227	16.3C	1605	34,900 CUP	COL: 1.590"
SR 4756	8.0	1340	36,000 CUP	
SR 7625	6.5	1215	36,000 CUP	
PB	6.0	1160	35,600 CUP	
700-X	5.7	1185	35,200 CUP	

BULLET	POWDER	GR	VEL	CUP
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35 REMINGTON

BBL: 24"		CASE: REMINGTON PR: REMINGTON 9 1/2		
150 GR. REM SPCL				
IMR 4320	42.5	2295	34,700 CUP	COL: 2.500"
IMR 4064	43.0C	2320	33,000 CUP	
IMR 4895	42.5C	2340	34,600 CUP	
IMR 3031	42.0C	2390	34,200 CUP	
IMR 4198	29.0	2190	35,000 CUP	
SR 4759	23.0	1985	35,000 CUP	
200 GR. HDY RN				
IMR 4320	38.5	2020	35,000 CUP	COL: 2.500"
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	

358 WINCHESTER

BBL: 25"		CASE: WINCHESTER PR: WINCHESTER LR		
200 GR. WIN ST				
IMR 4320	51.0C	2545	51,700 CUP	COL: 2.765"
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				
IMR 4320	44.5	2210	51,400 CUP	COL: 2.780"
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	

35 WHELEN

BBL: 24"		CASE: REMINGTON PR: REMINGTON 9 1/2		
200 GR. REM PSP				
IMR 4320	58.0C	2640	51,000 CUP	COL: 3.075"
IMR 4064	58.0C	2700	50,000 CUP	
IMR 4895	58.0C	2655	49,400 CUP	
IMR 3031	55.0C	2650	49,000 CUP	
SR 4759	34.5	2265	51,400 CUP	
250 GR. HDY RN				
IMR 4320	55.0C	2475	51,300 CUP	COL: 3.240"
IMR 4064	55.5C	2505	51,900 CUP	
IMR 4895	55.0C	2475	51,600 CUP	
IMR 3031	53.0C	2480	51,800 CUP	
SR 4759	32.5	1975	50,600 CUP	

350 REMINGTON MAGNUM

BBL: 20"		CASE: REMINGTON PR: REMINGTON 9 1/2 M		
200 GR. REM SPCL				
IMR 4320	64.5C	2820	52,100 CUP	COL: 2.765"
IMR 4064	61.5C	2800	52,200 CUP	
IMR 4895	62.0	2815	52,300 CUP	
IMR 3031	60.0C	2835	50,700 CUP	
SR 4759	39.0	2405	53,000 CUP	

RIFLE data

BULLET	POWDER	GR	VEL	CUP
250 GR. REM SPCL				
IMR 4320	56.0C	2400	COL: 2.730" 50,200 CUP	
IMR 4064	53.0C	2310	41,400 CUP	
IMR 4895	56.0C	2485	52,500 CUP	
IMR 3031	53.0C	2410	47,800 CUP	
375 H&H MAGNUM				
BBL: 25"		CASE: WINCHESTER		
		PR: WINCHESTER LR		
270 GR. REM SP				
IMR 4831	82.5C	2690	COL: 3.600" 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				
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	
416 REMINGTON MAGNUM				
BBL: 24"		CASE: REMINGTON		
		PR: REMINGTON 9 1/2M		
350 GR. SFT SP				
IMR 4064	81.0	2485	COL: 3.545" 51,600 CUP	
IMR 4895	77.0	2425	53,700 CUP	
IMR 3031	76.5	2450	53,000 CUP	
400 GR. HDY FMJ				
IMR 4064	78.0	2335	COL: 3.555" 52,000 CUP	
IMR 4895	76.5	2325	53,800 CUP	
IMR 3031	75.0	2315	52,100 CUP	
44 MAGNUM				
BBL: 20"		CASE: REMINGTON		
		PR: REMINGTON 2 1/2		
240 GR. REM SP				
IMR 4227	23.5C	1680	COL: 1.610" 39,500 CUP	
SR 4759	21.0C	1630	38,500 CUP	
444 MARLIN				
BBL: 25"		CASE: REMINGTON		
		PR: REMINGTON 9 1/2		
240 GR. REM SP				
IMR 4895	56.0C	2200	COL: 2.570" 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 RIFLES)				
BBL: 24"		CASE: FEDERAL		
		PR: FEDERAL 210		
300 GR. HDY HP				
IMR 3031	54.0	1960	COL: 2.540" 28,000 PSI	
IMR 4198	41.2	1900	27,000 PSI	

BULLET	POWDER	GR	VEL	CUP
300 GR. NOS PART				
IMR 3031	51.5	1890	COL: 2.500" 27,000 PSI	
IMR 4198	41.2	1880	28,000 PSI	
405 GR. WIN SP				
IMR 4320	53.5	1720	COL: 2.550" 27,300 CUP	
IMR 4064	55.0C	1780	26,700 CUP	
IMR 4895	52.5	1785	26,900 CUP	
IMR 3031	51.4	1795	27,000 CUP	
IMR 4198	38.0	1620	27,400 CUP	
SR 4759	29.0	1500	26,900 CUP	
450 MARLIN				
BBL: 24"		CASE: HORNADY		
		PR: FEDERAL 210		
300 GR. BAR XFN				
IMR 3031	52.5C	1870	COL: 2.512" 35,000 PSI	
IMR 4198	44.2	2000	39,000 PSI	
300 GR. NOS PART				
IMR 3031	57.0C	2100	COL: 2.505" 35,000 PSI	
350 GR. HDY				
IMR 3031	56.0C	2030	COL: 2.550" 38,000 PSI	
IMR 4198	45.0	2050	40,000 PSI	
400 GR. BAR FN				
IMR 3031	50.8C	1860	COL: 2.512" 40,000 PSI	
IMR 4198	40.0	1820	40,000 PSI	

BULLET	POWDER	GR	VEL	CUP
458 WINCHESTER				
BBL: 24"		CASE: WINCHESTER		
		PR: WINCHESTER LR		
510 GR. WIN SP				
IMR 4320	74.0C	2070	COL: 3.340" 51,500 CUP	
IMR 4064	71.0C	2020	41,300 CUP	
IMR 4895	72.5	2100	53,000 CUP	
IMR 3031	69.0C	2030	43,900 CUP	
IMR 4198	58.0	1925	52,500 CUP	
SR 4759	44.5	1645	52,400 CUP	

PISTOL data

The loads shown in this section should be followed just as they are printed. These loads are like recipes. The closer they are followed, the better the resultant load.

NEVER Exceed the Loads Listed in This Publication

For all brands of 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.

The loads shown here are at maximum. Reduce them by 10% and work up to the load that works best for you. **NEVER EXCEED THE LISTED LOADS.**

40 S&W 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 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
 BER - Berger
 BLX - Bull-X
 FA - Freedom Arms
 HDY - Hornady
 NOS - Nosler
 REM - Remington
 SIE - Sierra
 SFT - Swift
 SPR - Speer
 WIN - Winchester

Primers

LP - Large Pistol
 LPM - Large Pistol Magnum
 SP - Small Pistol
 SPM - Small Pistol Magnum

Data

C - Compressed Powder Charge
 PR - Primer
 BBL - Barrel
 COL - Cartridge Overall Length
 REF - Reformed

Bullets

A-Max - Hornady Match
 BR - Bench Rest
 BT - Ballistic Tip
 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
 JFP - Jacketed Flat Point
 JHC - Jacketed Hollow Cavity
 JHP - Jacketed Hollow Point
 JRN - Jacketed Round Nose
 JSP - Jacketed Soft Point
 JSWC - Jacketed Semi-Wadcutter
 LBBWC - Lead Bevel Base Wadcutter
 LFP - Lead Flat Point
 LHBWC - Lead Hollow Base Wadcutter
 LRN - Lead Round Nose
 LSWC - Lead Semi-Wadcutter
 MK - Match King
 MT-SP - Mag Tip Soft Point
 PSPCL - Pointed Soft Point "Core-Lokt"
 RN - Round Nose
 SB - Solid Base
 SJ - Short Jacket
 SP - Soft Point, Spitzer, Spire Point
 SPBT - Soft Point Boat Tail
 ST - Silvertip
 TMJ - Totally Metal Jacket
 UCHP - Uni-cor Hollow Point
 WC - Wadcutter
 X - X Bullet
 XFB - X Flat Base
 XBT - X Boat Tail
 XBTC - X Boat Tail Coated

Pistol DATA

BULLET	POWDER	GR	VEL	CUP
22 REMINGTON JET				
BBL: 10"		CASE: REMINGTON		
		PR: REMINGTON 6 1/2		
40 GR. REM SP COL: 1.645"				
IMR 4227	13.5	2290	32,900	CUP
SR 4756	6.7	1925	31,200	CUP
SR 7625	5.3	1745	31,200	CUP
PB	5.1	1690	32,200	CUP
700-X	4.7	1755	32,000	CUP
221 REMINGTON FIREBALL				
BBL: 10.75"		CASE: REMINGTON		
		PR: REMINGTON 7 1/2		
45 GR. REM PSP COL: 1.800"				
IMR 4198	17.7C	2575	44,500	CUP
IMR 4227	14.9	2535	50,000	CUP
SR 4759	13.2C	2235	36,200	CUP
50 GR. REM PSP COL: 1.825"				
IMR 4198	16.7C	2380	44,000	CUP
IMR 4227	14.7	2390	51,400	CUP
SR 4759	12.7C	2105	38,000	CUP
55 GR. REM PSP COL: 1.825"				
IMR 4198	16.4C	2315	51,700	CUP
IMR 4227	14.4	2315	51,700	CUP
SR 4759	12.2C	2000	37,700	CUP
60 GR. HDY SP COL: 1.825"				
IMR 4198	15.7C	2145	37,100	CUP
IMR 4227	15.1	2315	51,800	CUP
SR 4759	11.7C	1915	38,000	CUP
222 REMINGTON				
BBL: 10"		CASE: REMINGTON		
		PR: REMINGTON 7 1/2		
45 GR. SIE SP COL: 2.130"				
IMR 4895	24.2C	2380	37,400	CUP
IMR 4198	21.1	2640	45,800	CUP
IMR 4227	17.1	2500	45,200	CUP
50 GR. REM PSP COL: 2.130"				
IMR 4895	24.2C	2365	39,300	CUP
IMR 4198	20.0	2510	45,600	CUP
IMR 4227	16.1	2365	45,800	CUP
52 GR. SIE HPBT COL: 2.190"				
IMR 4895	23.8C	2325	40,500	CUP
IMR 4198	19.8	2455	45,800	CUP
IMR 4227	15.8	2300	45,600	CUP
55 GR. SPR FMJ COL: 2.085"				
IMR 4895	23.0C	2275	41,200	CUP
IMR 3031	21.5C	2225	37,800	CUP
IMR 4198	19.0	2375	45,200	CUP
60 GR. HDY HP COL: 2.245"				
IMR 4895	23.0C	2235	42,400	CUP
IMR 4198	19.1	2330	45,800	CUP
IMR 4227	14.7	2105	45,000	CUP

BULLET	POWDER	GR	VEL	CUP
25 ACP				
BBL: 2.0"		CASE: REMINGTON		
		PR: CCI 500		
50 GR. HDY FMJ COL: .900"				
800-X	1.8	815	17,800	CUP
SR 4756	1.4	770	16,900	CUP
SR 7625	1.2	755	17,900	CUP
PB	1.1	740	17,700	CUP
700-X	1.1	740	14,400	CUP
25-35 WINCHESTER				
BBL: 10"		CASE: WINCHESTER		
		PR: FEDERAL 210		
60 GR. SPR SP COL: 2.390"				
IMR 4064	30.5C	2285	36,000	CUP
IMR 3031	28.3	2325	36,900	CUP
87 GR. HDY SP COL: 2.690"				
IMR 4064	25.7	1960	36,500	CUP
IMR 3031	23.4	1965	36,800	CUP
100 GR. SPR SP COL: 2.700"				
IMR 4350	31.0C	1900	36,400	CUP
IMR 4064	25.2	1875	37,000	CUP
IMR 3031	22.1	1845	36,500	CUP
117 GR. SIE SPBT COL: 2.700"				
IMR 4350	28.3C	1760	35,900	CUP
IMR 4895	22.2	1750	37,000	CUP
IMR 3031	21.5	1760	36,700	CUP
7MM BR REMINGTON				
BBL: 15"		CASE: REMINGTON		
		PR: REMINGTON 7 1/2		
139 GR. HDY SP COL: 2.320"				
IMR 4064	28.5C	2080	43,600	CUP
IMR 4895	29.0C	2180	50,200	CUP
IMR 3031	28.0C	2220	49,000	CUP
IMR 4198	24.0	2165	50,400	CUP
160 GR. SIE SPBT COL: 2.270"				
IMR 4064	26.0C	1905	41,100	CUP
IMR 4895	26.5C	1980	46,100	CUP
IMR 3031	26.0C	2005	42,600	CUP
IMR 4198	22.5	2010	52,000	CUP
162 GR. HDY HPBT COL: 2.375"				
IMR 4064	26.0C	1870	38,600	CUP
IMR 4895	27.0C	2015	48,000	CUP
IMR 3031	26.0C	2015	44,000	CUP
IMR 4198	22.5	2000	50,600	CUP
30 HERRETT				
BBL: 14"		CASE: REMINGTON (REF)		
		PR: FEDERAL 210		
110 GR. HDY FMJ COL: 2.020"				
IMR 3031	28.0C	2070	36,000	CUP
IMR 4198	24.3	2210	44,600	CUP
IMR 4227	18.8	2035	44,600	CUP
130 GR. HDY SP COL: 2.175"				
IMR 3031	26.0C	1875	36,300	CUP
IMR 4198	22.5	2015	44,400	CUP
IMR 4227	18.0	1885	44,800	CUP

NEVER Exceed the Loads Listed in This Publication

Pistol data

BULLET	POWDER	GR	VEL	CUP
150 GR. SIE SP COL: 2.300"				
IMR 4895	27.0C	1845	40,700 CUP	
IMR 3031	25.2C	1785	36,700 CUP	
IMR 4198	21.3	1870	44,200 CUP	
170 GR. REM SPCL COL: 2.165"				
IMR 4895	26.0C	1725	41,200 CUP	
IMR 3031	24.5C	1690	37,800 CUP	
IMR 4198	19.2	1670	44,700 CUP	
30-30 WINCHESTER CASE: REMINGTON				
BBL: 14" PR: FEDERAL 210				
110 GR. HDY FMJ COL: 2.450"				
IMR 4064	36.5	2170	33,200 CUP	
IMR 4895	34.6C	2235	37,800 CUP	
IMR 3031	36.0C	2260	34,000 CUP	
130 GR. HDY SP COL: 2.725"				
IMR 4064	36.5C	2110	36,500 CUP	
IMR 3031	36.0C	2175	37,000 CUP	
150 GR. SIE SP COL: 2.855"				
IMR 4064	34.4	1995	37,400 CUP	
IMR 3031	33.0	2035	37,500 CUP	
170 GR. REM SPCL COL: 2.725"				
IMR 4064	32.8	1875	37,900 CUP	
IMR 3031	27.4	1780	37,600 CUP	
380 AUTO CASE: REMINGTON				
BBL: 3.75" PR: CCI 500				
90 GR. HDY HP COL: .970"				
800-X	4.1	870	15,500 CUP	
SR 4756	3.6	880	15,500 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 COL: .980"				
800-X	4.0	840	14,700 CUP	
SR 4756	3.5	875	15,900 CUP	
SR 7625	3.0	855	15,500 CUP	
PB	2.8	835	15,400 CUP	
700-X	2.7	840	15,200 CUP	
9MM LUGER CASE: REMINGTON				
BBL: 4.0" PR: CCI 500				
115 GR. REM JHP COL: 1.110"				
800-X	6.5	1150	30,300 CUP	
SR 4756	6.3C	1175	30,600 CUP	
SR 7625	5.1	1095	32,400 CUP	
PB	4.8	1075	32,500 CUP	
700-X	4.7	1130	32,600 CUP	
124 GR. REM MC COL: 1.135"				
800-X	6.5C	1115	28,600 CUP	
SR 4756	6.3C	1160	32,400 CUP	
SR 7625	4.9	1040	32,300 CUP	
PB	4.9C	1050	32,500 CUP	
700-X	4.8	1110	32,600 CUP	
147 GR. HDY XTP COL: 1.130"				
800-X	5.3	1025	32,900 CUP	
SR 4756	4.4	950	32,700 CUP	

BULLET	POWDER	GR	VEL	CUP
SR 7625	4.3	950	32,900 CUP	
PB	4.0	950	32,800 CUP	
700-X	3.7	935	32,100 CUP	
38 SUPER AUTO CASE: REMINGTON				
BBL: 5" PR: CCI 500				
115 GR. HDY HP COL: 1.265"				
800-X	5.9	1015	21,900 CUP	
SR 4756	5.2	965	21,800 CUP	
SR 7625	4.5	955	21,800 CUP	
PB	4.0	955	22,500 CUP	
700-X	4.0	955	22,900 CUP	
38 SPECIAL CASE: REMINGTON				
BBL: 6" PR: REMINGTON 1 1/2				
110 GR. HDY XTP COL: 1.460"				
SR 4756	6.2	1040	15,600 CUP	
SR 7625	5.5	1060	15,400 CUP	
PB	4.8	990	15,200 CUP	
700-X	4.2	970	15,400 CUP	
125 GR. REM SJHP COL: 1.525"				
800-X	6.9	980	15,500 CUP	
SR 4756	6.1	925	15,900 CUP	
SR 7625	5.3	935	15,900 CUP	
PB	4.6	865	15,500 CUP	
700-X	4.1	840	15,600 CUP	
140 GR. HDY LFP COL: 1.510"				
800-X	4.0	778	10,300 CUP	
700-X	3.0	789	11,700 CUP	
140 GR. SPR JHP COL: 1.455"				
800-X	6.0	830	15,700 CUP	
SR 4756	5.6	765	16,000 CUP	
SR 7625	4.6	480	15,800 CUP	
PB	4.2	735	15,700 CUP	
700-X	3.7	730	15,900 CUP	
148 GR. SPR LBBWC COL: 1.295"				
800-X	5.5	905	15,900 CUP	
SR 4756	5.2	905	16,000 CUP	
SR 7625	4.2	845	16,000 CUP	
PB	3.8	855	15,800 CUP	
700-X	3.5	850	16,000 CUP	
150 GR. SIE JHC COL: 1.445"				
800-X	5.7	795	15,600 CUP	
SR 4756	5.4	765	16,000 CUP	
SR 7625	4.3	770	15,700 CUP	
PB	4.0	765	15,900 CUP	
700-X	3.5	755	15,900 CUP	
158 GR. HDY JFP COL: 1.465"				
800-X	5.5	695	15,400 CUP	
SR 4756	5.2	705	15,300 CUP	
SR 7625	4.3	660	15,700 CUP	
PB	3.9	620	16,000 CUP	
700-X	3.4	585	15,300 CUP	
158 GR. REM LSWC COL: 1.550"				
800-X	5.9	880	16,000 CUP	
SR 4756	5.4	880	16,000 CUP	
SR 7625	4.5	790	16,000 CUP	

PISTOL data

BULLET	POWDER	GR	VEL	CUP
PB		4.0	800	15,800 CUP
700-X		3.5	790	15,400 CUP
200 GR. REM LRN				COL: 1.500"
800-X		4.6	725	15,500 CUP
SR 4756		4.3	740	15,700 CUP
SR 7625		3.5	755	15,800 CUP
PB		3.4	760	15,800 CUP
700-X		3.0	725	15,000 CUP
357 SIG		CASE: REMINGTON		
BBL: 5"		PR: REMINGTON 1 1/2		
125 GR. SPR GD-HP				COL: 1.135"
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				COL: 1.140"
800-X		9.0	1317	38,000 PSI
PB		5.0	1012	38,600 PSI
700-X		5.6	1119	38,400 PSI
357 MAGNUM		CASE: REMINGTON		
BBL: 6"		PR: REMINGTON 5 1/2		
110 GR. HDY XTP				COL: 1.590"
IMR 4227	21.0C	1510		35,600 CUP
800-X		10.9	1475	33,600 CUP
SR 4756		9.5	1330	35,800 CUP
SR 7625		7.9	1230	35,600 CUP
PB		7.6	1195	36,000 CUP
700-X		6.6	1165	35,600 CUP
125 GR. REM SJHP				COL: 1.580"
IMR 4227	18.5C	1325		34,500 CUP
800-X		10.2	1360	35,300 CUP
SR 4756		8.6	1180	35,800 CUP
SR 7625		7.4	1100	35,800 CUP
PB		6.8	1060	35,800 CUP
700-X		6.2	1075	36,000 CUP
140 GR. SPR JHP				COL: 1.590"
IMR 4227	17.2	1210		35,700 CUP
800-X		9.7	1230	35,200 CUP
SR 4756		8.2	1025	35,500 CUP
SR 7625		7.0	955	36,000 CUP
PB		6.4	910	36,000 CUP
700-X		6.0	960	35,700 CUP
148 GR. SPR LWC				COL: 1.420"
IMR 4227	15.0C	1185		32,700 CUP
800-X		8.3	1215	35,500 CUP
SR 4756		8.5	1215	35,600 CUP
SR 7625		6.0	1030	35,600 CUP
PB		5.7	1010	35,400 CUP
700-X		5.1	980	34,800 CUP
158 GR. REM LSWC				COL: 1.580"
800-X		8.9	1215	36,000 CUP
SR 4756		7.7	1110	35,800 CUP
SR 7625		6.5	1020	35,800 CUP
PB		5.9	985	35,700 CUP

BULLET	POWDER	GR	VEL	CUP
700-X	5.5	980		35,600 CUP
158 GR. REM SJHP				COL: 1.580"
IMR 4227	15.3C	1075		36,000 CUP
800-X		8.6	1080	35,400 CUP
SR 4756		7.5	940	35,700 CUP
SR 7625		6.2	855	35,700 CUP
PB		5.7	875	36,000 CUP
700-X		5.2	885	35,800 CUP
357 HERRETT		CASE: WINCHESTER (REF)		
BBL: 14"		PR: FEDERAL 210		
110 GR. HDY JHP				COL: 2.080"
IMR 4198	32.0C	2200		33,900 CUP
IMR 4227		23.8	2225	44,500 CUP
SR 4759	24.5C	2070		35,600 CUP
125 GR. HDY JHP				COL: 2.080"
IMR 4198	31.0C	2135		38,100 CUP
IMR 4227		22.3	2070	44,900 CUP
SR 4759	24.0C	1990		38,400 CUP
158 GR. HDY JHP				COL: 2.150"
IMR 4198	29.9C	2045		44,900 CUP
IMR 4227		20.2	1815	44,900 CUP
SR 4759	23.0C	1810		42,000 CUP
170 GR. SIE FMJ				COL: 2.230"
IMR 4198	30.0C	1940		44,600 CUP
IMR 4227		20.1	1735	45,000 CUP
SR 4759	23.0C	1750		41,400 CUP
200 GR. HDY SP				COL: 2.540"
IMR 4895	34.0C	1705		38,300 CUP
IMR 3031	31.0C	1635		32,400 CUP
IMR 4198		28.2	1820	45,000 CUP
SR 4759	23.0C	1675		44,100 CUP
35 REMINGTON		CASE: REMINGTON		
BBL: 14"		PR: FEDERAL 210		
158 GR. HDY JFP				COL: 2.300"
IMR 4064	39.5C	1925		32,600 CUP
IMR 4895		37.8	1975	34,700 CUP
IMR 3031	38.4C	2030		34,500 CUP
170 GR. SIE FMJ				COL: 2.405"
IMR 4064	38.1	1850		35,000 CUP
IMR 4895		37.8	1920	34,100 CUP
IMR 3031	38.5C	1985		33,700 CUP
250 GR. SPR SP				COL: 2.800"
IMR 4064	33.0	1610		34,800 CUP
IMR 3031	31.0	1620		35,000 CUP

NEVER Exceed the Loads Listed in This Publication

PISTOL data

BULLET	POWDER	GR	VEL	CUP
40 S&W				
BBL: 4" CASE: WINCHESTER PR: WINCHESTER SP				
COL: 1.125"				
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	
COL: 1.125"				
150 GR. SIE JHP				
800-X	8.8	1205	25,000 PSI	
SR 4756	7.8	1195	32,700 PSI	
SR 7625	7.2	1165	32,500 PSI	
PB	6.5	1135	33,500 PSI	
700-X	5.5	1120	34,000 PSI	
COL: 1.125"				
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	
COL: 1.125"				
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	
COL: 1.250"				
10MM AUTO				
BBL: 5" CASE: REMINGTON PR: REMINGTON 2 1/2				
COL: 1.250"				
155 GR. REM JHP				
800-X	9.8	1350	30,000 PSI	
SR 4756	8.5	1310	34,400 PSI	
SR 7625	7.8	1275	34,300 PSI	
PB	7.2	1235	35,000 PSI	
700-X	6.4	1220	34,300 PSI	
COL: 1.250"				
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	
COL: 1.250"				
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	
COL: 1.575"				
41 REMINGTON MAGNUM				
BBL: 10" CASE: REMINGTON PR: REMINGTON 2 1/2				
COL: 1.575"				
170 GR. SIE JHC				
700-X	8.4	1375	39,800 CUP	
COL: 1.590"				
210 GR. REM JSP				
SR 7625	9.1	1245	39,700 CUP	
700-X	7.6	1185	39,000 CUP	

BULLET	POWDER	GR	VEL	CUP
44 S&W SPECIAL				
BBL: 6.5" CASE: REMINGTON PR: REMINGTON 2 1/2				
COL: 1.470"				
240 GR. HDY LSWC				
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	
PB	5.7	750	14,000 CUP	
700-X	4.9	740	13,900 CUP	
COL: 1.570"				
246 GR. REM LRN				
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	
COL: 1.565"				
44 REMINGTON MAGNUM				
BBL: 8.25" CASE: REMINGTON PR: REMINGTON 2 1/2				
COL: 1.565"				
200 GR. D&J LRNFP				
800-X	5.9	813	10,500 CUP	
SR 4756	7.0	797	10,700 CUP	
SR 7625	5.9	812	11,100 CUP	
PB	5.1	781	10,700 CUP	
700-X	4.3	818	11,700 CUP	
COL: 1.610"				
200 GR. SPR MAG HP				
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	
COL: 1.585"				
225 GR. SPR JHP				
IMR 4227	23.0C	1295	30,700 CUP	
800-X	15.4	1525	39,800 CUP	
SR 7625	11.7	1260	39,900 CUP	
700-X	9.8	1235	40,000 CUP	
COL: 1.585"				
240 GR. HDY LSWC				
IMR 4227	22.0C	1310	33,300 CUP	
800-X	13.4	1395	39,600 CUP	
SR 7625	10.7	1190	39,700 CUP	
700-X	9.5	1185	40,000 CUP	
COL: 1.590"				
240 GR. SIE JHC				
IMR 4227	22.0C	1275	32,600 CUP	
800-X	14.2	1415	39,600 CUP	
SR 4756	13.3	1260	39,800 CUP	
COL: 1.210"				
45 ACP				
BBL: 5" CASE: REMINGTON PR: REMINGTON 2 1/2				
COL: 1.210"				
185 GR. REM MC HP				
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	

PISTOL data

BULLET	POWDER	GR	VEL	CUP
200 GR. HDY LSWC				
800-X	7.9	950	18,000	COL: 1.170"
SR 4756	8.2	930	17,900	CUP
SR 7625	6.5	900	18,000	CUP
PB	5.9	885	17,900	CUP
700-X	5.5	930	17,700	CUP
200 GR. SPR JHP				
800-X	8.3	840	18,000	COL: 1.170"
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				
800-X	7.2	860	18,000	COL: 1.270"
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
230 GR. REM MC				
800-X	7.3	795	17,600	COL: 1.260"
SR 4756	7.4	795	17,600	CUP
SR 7625	6.0	745	17,400	CUP
PB	5.5	750	17,900	CUP
700-X	5.0	770	17,700	CUP

BULLET	POWDER	GR	VEL	CUP
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45 COLT			CASE: REMINGTON	
BBL: 7.5"			PR: REMINGTON 2 1/2	
200 GR. D&J LRNFP				
800-X	7.3	800	6,600	COL: 1.585"
SR 4756	8.5	768	6,700	CUP
SR 7625	7.3	795	8,300	CUP
PB	6.3	766	7,000	CUP
700-X	5.0	780	7,200	CUP
250 GR. D&J LRNFP				
800-X	7.0	773	10,500	COL: 1.580"
SR 4756	8.2	756	10,200	CUP
SR 7625	7.0	769	10,300	CUP
PB	6.3	767	10,800	CUP
700-X	5.2	772	11,900	CUP
250 GR. REM LRN				
IMR 4227	17.7	890	14,000	COL: 1.600"
800-X	9.5	915	13,700	CUP
SR 4756	10.0	885	13,500	CUP
SR 7625	8.7	895	13,900	CUP
PB	7.2	830	13,600	CUP
700-X	6.3	815	13,700	CUP

S

SHOTSHELL data

Forward

There are many good handbooks available giving the basics of reloading and the beginner should study one or more of them before embarking upon his new hobby. We are assuming that the user of our data manual knows the mechanics of re-loading and simply needs a supplement to help him find a good load using the components available to him.

By revising our shotshell data often, we hope to keep fairly well up-to-date with the rapidly changing array of components offered by today's consumer-oriented manufacturers.

Warning

NEVER Exceed the Loads Listed in This Publication

The data in this manual was developed in the IMR 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 IMR 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 bystander.

Hornady/ Spolar

BUSHING NUMBERS					
GRS.	700-X	800-X	PB	SR7625	SR4756
11.0					
12.0			345		
13.0		360	360	327	
14.0		372	372	339	339
14.7		-	381	-	-
15.0	408	381	-	-	-
16.0	420	-	396	360	360
16.5	423	396	-	372	372
17.0	429	-	414	-	-
17.4	435	414	420	381	381
18.0	441	420	423	-	-
18.5	447	426	429	390	390
19.0	450	429	435	396	396
19.4	459	435	441	-	-
20.0	465	441	444	408	408
20.6	468	447	453	414	414
21.0	471	453	456	-	-
21.5	474	459	459	420	420
22.0	486	462	468	-	426
22.5	-	468	474	-	429
23.0	-	471	480	435	435
23.5	-	474	486	444	438
24.0	-	-	-	450	441
24.5	-	486	-	453	444
25.0	-	-	498	456	453
26.0	-	-	507	462	459
27.0	-	-	516	471	471
28.0	-	525	525	480	480
29.0	-	-	-	486	486
30.0	-	534	-	498	498
31.0	-	-	-	-	507
32.0	-	-	-	516	-
33.0	-	-	-	-	-
34.0	-	-	-	-	525
35.0	-	-	-	-	534
36.0	-	-	-	-	-
37.0	-	-	-	-	549
38.0	-	-	-	-	558
39.0	-	-	-	-	-

Ponsness Warren

BUSHING					
#	700-X	800-X	PB	SR7625	SR4756
1A					
2A					
3A					
A					
B					
C				12.5	12.7
C1				13.2	13.3
D				13.5	13.6
D1			11.8	14.3	14.3
E		13.3	13.2	16.0	15.9
E1		14.0	13.7	16.6	16.6
E2	12.9	14.9	14.5	17.5	17.6
F	13.9	16.0	15.5	18.4	18.7
F1	14.0	16.2	15.6	18.5	18.8
F2	14.6	16.6	16.0	19.2	19.5
G	15.6	17.6	17.1	20.5	20.7
G1	15.9	17.8	17.4	20.8	21.0
H	17.1	19.0	18.7	22.2	22.4
I	17.6	19.6	19.2	22.9	23.1
J	18.4	20.4	20.0	23.8	24.0
J1	19.2	20.9	20.5	24.6	24.8
K	19.5	21.2	20.8	24.9	25.1
L	20.1	22.1	21.8	26.1	26.3
M	21.5	23.7	23.1	27.6	27.8
N	22.9	25.3	24.6	29.4	29.7
O		25.8	25.1	29.8	30.1
P		26.2	25.5	30.7	31.0
Q		26.4	25.7	30.8	31.2
R		27.5	26.7	32.1	32.5
S		28.0	27.2	32.6	33.1
T		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
Z					

Mec

BUSHING					
#	700-X	800-X	PB	SR7625	SR4756
7					
8					
9					
10					
11					
12					
A12					
13					
14					
15				12.2	12.4
16				13.0	13.1
17				13.6	13.7
18			11.8	14.3	14.3
19		12.2	12.6	14.9	14.9
20		12.9	12.9	15.7	15.6
21		13.6	13.5	16.3	16.3
22	12.5	14.4	14.1	17.0	17.1
23	13.1	15.1	14.7	17.6	17.8
24	13.7	15.7	15.3	18.3	18.5
25	14.3	16.5	15.8	18.9	19.2
26	15.0	16.9	16.5	19.8	20.1
27	15.6	17.6	17.1	20.5	20.8
28	16.3	18.2	17.8	21.3	21.5
29	16.9	18.8	18.5	22.0	22.2
30	17.6	19.6	19.2	22.9	23.1
31	18.3	20.3	19.9	23.7	23.9
32	19.3	21.0	20.6	24.8	25.0
33	19.7	21.7	21.3	25.6	25.8
34	20.4	22.5	22.1	26.5	26.7
35	21.2	23.4	22.8	27.3	27.5
36	21.9	24.2	23.6	28.4	28.6
37	22.7	25.1	24.4	29.2	29.5
38		25.9	25.2	30.3	30.6
38A		26.7	26.0	31.2	31.6
39		27.5	26.7	32.1	32.5
39A		28.3	27.5	33.0	33.5
40		29.1	28.4	34.0	34.5
41		31.0	30.1	35.8	36.4
41A		31.9			37.5
42		32.9			38.4
42A		34.2			39.4
43		35.1			40.4
43A					41.4
44					42.3

S

SHOT SHELL data

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

				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	—

10 GA., 3 1/2", REMINGTON PLASTIC SHELL WITH YELLOW PLASTIC BASEWAD

				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

12 GA., 2 3/4" FEDERAL GOLD MEDAL PLASTIC SHELLS

				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. 12SO	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. 12SO	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. 12SO	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

SHOTGUN data

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	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. 12S3	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. 12S3	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. 12S3	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	28.5 gr / 5,000 PSI
24 gm	SR 7625	Fed. 209A	Fed. 12SO	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. 12SO	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
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
				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. 12SO	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. 12SO	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. 12SO	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. 12S3	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. 12S3	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 / 6,600 PSI
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

SHOTSHELL data

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
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
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	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

SHOTSHELL data

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	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	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	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
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
				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

SHOT SHELL data

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	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
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
				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	—	—
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		

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4" FEDERAL GOLD MEDAL PLASTIC SHELLS CONT.							
				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	—	
				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	—	
1 1/2 oz	800-X	Win. 209	WAA12R	—	—	27.0 gr / 11,000 PSI	
12 GA., 2 3/4" FIOCCHI, VICTORY, PMC AND NOBEL SPORT PLASTIC (LOW BASEWAD)							
				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		
12 GA., 2 3/4" WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS							
				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

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE
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12 GA., 2 3/4" WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.

				1150 fps	1200 fps	1250 fps	1325 fps
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
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
				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
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

SHOTSHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
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12 GA., 2 3/4" WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.

				1100 fps	1150 fps	1200 fps	1250 fps
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
				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

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4" WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.							
				1100 fps	1150 fps	1200 fps	1250 fps
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
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
				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 7625	Fed. 209A	Rem. SP12	—	26.0 gr / 11,000 PSI	27.0 gr / 11,500 PSI	
1 1/4 oz	SR 7625	Fed. 209A	WAA12R	—	26.5 gr / 10,900 PSI	27.5 gr / 11,500 PSI	
1 1/4 oz	SR 7625	Rem. 209P	Fed. 12S4	—	26.5 gr / 10,700 PSI	28.0 gr / 11,500 PSI	
1 1/4 oz	SR 7625	Rem. 209P	Rem. SP12	—	28.0 gr / 10,200 PSI	29.0 gr / 10,900 PSI	
1 1/4 oz	SR 7625	Rem. 209P	WAA12R	—	28.0 gr / 9,100 PSI	29.5 gr / 10,300 PSI	
1 1/4 oz	SR 7625	Win. 209	Fed. 12S4	25.0 gr / 10,200 PSI	26.5 gr / 11,400 PSI	—	
1 1/4 oz	SR 7625	Win. 209	Rem. SP12	—	27.5 gr / 10,300 PSI	29.0 gr / 11,400 PSI	

SHOTSHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
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12 GA., 2 3/4" WINCHESTER COMPRESSION-FORMED AA TYPE SHELLS CONT.

				1225 fps	1275 fps	1325 fps
1 1/4 oz	SR 7625	Win. 209	WAA12	—	27.0 gr / 11,000 PSI	28.0 gr / 11,500 PSI
1 1/4 oz	SR 4756	Fed. 209A	Fed. 12S4	26.0 gr / 10,700 PSI	27.5 gr / 11,500 PSI	—
1 1/4 oz	SR 4756	Fed. 209A	Rem. SP12	—	28.5 gr / 10,800 PSI	29.5 gr / 11,500 PSI
1 1/4 oz	SR 4756	Fed. 209A	WAA12R	—	28.5 gr / 10,600 PSI	30.0 gr / 11,500 PSI
1 1/4 oz	SR 4756	Rem. 209P	Fed. 12S4	29.5 gr / 8,400 PSI	—	—
1 1/4 oz	SR 4756	Rem. 209P	Rem. RP12	—	30.5 gr / 9,600 PSI	31.5 gr / 10,600 PSI
1 1/4 oz	SR 4756	Rem. 209P	WAA12R	—	31.5 gr / 8,200 PSI	33.0 gr / 9,000 PSI
1 1/4 oz	SR 4756	Win. 209	Fed. 12S4	27.5 gr / 9,500 PSI	—	—
1 1/4 oz	SR 4756	Win. 209	Rem. SP12	—	30.0 gr / 10,000 PSI	31.5 gr / 11,000 PSI
1 1/4 oz	SR 4756	Win. 209	WAA12R	—	30.5 gr / 9,400 PSI	32.0 gr / 10,300 PSI
1 1/4 oz	800-X	Fed. 209A	Fed. 12S4	—	24.5 gr / 10,600 PSI	26.0 gr / 11,500 PSI
1 1/4 oz	800-X	Fed. 209A	Rem. SP12	—	25.0 gr / 9,800 PSI	26.5 gr / 10,700 PSI
1 1/4 oz	800-X	Fed. 209A	WAA12	—	24.5 gr / 10,400 PSI	26.0 gr / 11,400 PSI
1 1/4 oz	800-X	Fed. 209A	Windjammer	—	24.5 gr / 9,300 PSI	26.0 gr / 10,000 PSI
1 1/4 oz	800-X	Rem. 209P	Fed. 12S4	—	26.0 gr / 8,600 PSI	27.5 gr / 9,600 PSI
1 1/4 oz	800-X	Rem. 209P	Rem. SP12	—	27.5 gr / 7,800 PSI	29.0 gr / 8,500 PSI
1 1/4 oz	800-X	Rem. 209P	WAA12	—	27.0 gr / 8,200 PSI	28.5 gr / 9,600 PSI
1 1/4 oz	800-X	Rem. 209P	Windjammer	—	26.0 gr / 8,100 PSI	28.5 gr / 9,000 PSI
1 1/4 oz	800-X	Win. 209	Fed. 12S3	—	25.0 gr / 10,000 PSI	26.5 gr / 10,900 PSI
1 1/4 oz	800-X	Win. 209	Rem. SP12	—	25.0 gr / 9,400 PSI	26.5 gr / 10,200 PSI
1 1/4 oz	800-X	Win. 209	WAA12	—	25.0 gr / 9,900 PSI	26.5 gr / 10,700 PSI
1 1/4 oz	800-X	Win. 209	Windjammer	—	25.5 gr / 9,000 PSI	27.0 gr / 10,000 PSI

				1200 fps	1250 fps	1300 fps	1350 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	—

12 GA., 2 3/4" REMINGTON STS. NITRO 27, OR GUN CLUB PLASTIC SHELLS

				1150 fps	1200fps	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 PS	18.5 gr / 8,600 PSI
24 gm	700-X	Fed. 209A	Fed. 12S0	15.0 gr / 6,600 PSI	16.0 gr / 7,400 PSI	17.0 gr / 8,100 PSI	18.5 gr / 9,200 PSI

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SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4" REMINGTON STS, NITRO 27, OR GUN CLUB PLASTIC SHELLS CONT.							
				1150 fps	1200fps	1250 fps	1325 fps
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
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. 12SO	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. 12SO	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. 12SO	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. 12SO	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. 12SO	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. 12SO	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. 8	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. 12SO	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. 8	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. 12SO	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. 8	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
				1100 fps	1150ps	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

SHOT SHELL data

SHOT POWDER PRIMER WAD CHARGE/PRESSURE

12 GA., 2 3/4" REMINGTON STS, NITRO 27, OR GUN CLUB PLASTIC SHELLS CONT.

				1100 fps	1150 fps	1200 fps	1250 fps
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
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	22.5 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
				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

SHOTSHILL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
				1100 fps	1150 fps	1200 fps	1250 fps
12 GA., 2 3/4" REMINGTON STS, NITRO 27, OR GUN CLUB PLASTIC SHELLS CONT.							
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	—
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

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 2 3/4" REMINGTON STS, NITRO 27, OR GUN CLUB PLASTIC SHELLS CONT.							
				1100 fps	1150 fps	1200 fps	1250 fps
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
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
				1225 fps	1275 fps	1325 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	28.5 gr / 11,500 PSI	
1 1/4 oz	SR 7625	Rem. 209P	WAA12R	—	27.0 gr / 10,300 PSI	28.5 gr / 11,400 PSI	
1 1/4 oz	SR 7625	Win. 209	Rem. SP12	—	26.5 gr / 10,800 PSI	27.5 gr / 11,500 PSI	
1 1/4 oz	SR 7625	Win. 209	WAA12R	—	27.0 gr / 10,200 PSI	29.0 gr / 11,500 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	28.0 gr / 11,500 PSI	
1 1/4 oz	SR 4756	Fed. 209A	WAA12R	—	28.0 gr / 10,600 PSI	29.0 gr / 11,400 PSI	
1 1/4 oz	SR 4756	Rem. 209P	Rem. SP12	—	30.0 gr / 9,300 PSI	31.5 gr / 10,400 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	25.5 gr / 11,100 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	25.5 gr / 10,900 PSI	
1 1/4 oz	800-X	Rem. 209P	Fed. 12S3	—	24.5 gr / 10,500 PSI	26.0 gr / 11,400 PSI	
1 1/4 oz	800-X	Rem. 209P	Rem. SP12	—	24.5 gr / 9,500 PSI	26.0 gr / 10,200 PSI	
1 1/4 oz	800-X	Rem. 209P	WAA12	—	24.5 gr / 10,300 PSI	26.0 gr / 11,100 PSI	
1 1/4 oz	800-X	Rem. 209P	Windjammer	—	25.0 gr / 9,000 PSI	26.5 gr / 10,000 PSI	
1 1/4 oz	800-X	Win. 209	Fed. 12S4	—	24.5 gr / 10,600 PSI	26.0 gr / 11,500 PSI	
1 1/4 oz	800-X	Win. 209	Rem. SP12	—	24.5 gr / 10,100 PSI	26.0 gr / 11,000 PSI	
1 1/4 oz	800-X	Win. 209	WAA12	—	24.5 gr / 11,000 PSI	25.5 gr / 11,500 PSI	
1 1/4 oz	800-X	Win. 209	Windjammer	—	24.5 gr / 9,700 PSI	—	
				1100 fps	1150 fps	1200 fps	1250 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	—	—
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	—	—	—	30.0 gr / 10,900 PSI

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
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12 GA., 2 3/4" REMINGTON STS, NITRO 27, OR GUN CLUB PLASTIC SHELLS CONT.

1300 fps				
1 3/8 oz	SR 4756	Rem. 209P	WAA12R	30.5 gr / 11,100 PSI
1100 fps				
1 3/8 oz	SR 4756	Win. 209	Rem. RP12	—
1 3/8 oz	SR 4756	Win. 209	WAA12R	29.0 gr / 11,100 PSI
1 3/8 oz	800-X	Fed. 209A	Rem. RP12	—
1 3/8 oz	800-X	Fed. 209A	WAA12R	22.5 gr / 11,000 PSI
				23.0 gr / 11,100 PSI
1225 fps				
1 3/8 oz	800-X	Rem. 209P	Fed. 12S4	24.0 gr / 11,100 PSI
1 3/8 oz	800-X	Rem. 209P	Rem. SP12	—
1 3/8 oz	800-X	Rem. 209P	WAA12R	26.5 gr / 11,000 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
1250 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., 3" FEDERAL PLASTIC SHELL, 7/16" BASEWAD

1250 fps				
1 1/2 oz	SR 4756	Fed. 209A	Rem. RP12	—
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	—
1 1/2 oz	SR 4756	Rem. 209P	WAA12R	37.0 gr / 9,100 PSI
1 1/2 oz	SR 4756	Win. 209	Rem. RP12	37.0 gr / 9,600 PSI
1 1/2 oz	SR 4756	Win. 209	WAA12R	37.0 gr / 9,900 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	—
1 1/2 oz	800-X	Rem. 209P	Rem. R12H	31.0 gr / 10,600 PSI
1 1/2 oz	800-X	Win. 209	Fed. 12S4	—
1 1/2 oz	800-X	Win. 209	Rem. R12H	29.0 gr / 10,600 PSI
1 1/2 oz	800-X	Win. 209	Rem. R12H	30.0 gr / 10,500 PSI
1175 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	—
1 5/8 oz	SR 4756	Rem. 209P	WAA12R	34.5 gr / 10,800 PSI
1 5/8 oz	SR 4756	Win. 209	Rem. RP12	—
1 5/8 oz	SR 4756	Win. 209	WAA12R	35.5 gr / 10,900 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

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 3" FEDERAL PLASTIC SHELL, 7/16" BASEWAD CONT.							
				1175 fps	1200 fps	1225 fps	1250 fps
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		
				1150 fps	1175 fps		
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		
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	—	—	
				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	—	
12 GA., 3" WINCHESTER COMPRESSION-FORMED SUPER-X TYPE SHELLS							
				1200 fps	1250 fps	1300 fps	
1 5/8 oz	SR 4756	Fed. 209A	Rem. SP12	33.0 gr / 10,900 PSI	—	—	
1 5/8 oz	SR 4756	Fed. 209A	WAA12F114	31.0 gr / 10,800 PSI	—	—	
1 5/8 oz	SR 4756	Rem. 209P	Rem. RP12	—	—	35.5 gr / 10,900 PSI	
1 5/8 oz	SR 4756	Rem. 209P	WAA12R	—	—	37.5 gr / 11,000 PSI	
1 5/8 oz	SR 4756	Win. 209	Rem. RP12	—	—	37.5 gr / 11,000 PSI	
1 5/8 oz	SR 4756	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	—	

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
12 GA., 3" WINCHESTER COMPRESSION-FORMED SUPER-X TYPE SHELLS CONT.							
1 5/8 oz	800-X	Win. 209	WAA12	1200 fps	1250 fps	1300 fps	
				—	30.5 gr / 11,000 PSI	—	
16 GA., 2 3/4" FEDERAL HI POWER PLASTIC PAPER BASE WAD SHELLS							
				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	—	—
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							
				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	—
16 GA., 2 3/4", REMINGTON SP PLASTIC SHELLS							
				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	—	—	—

SHOTSHILL data

HOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE		
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16 GA., 2 3/4", REMINGTON SP PLASTIC SHELLS CONT.

				1175 fps	1200 fps	1225 fps
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

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 7625	Rem. 209P	Rem. SP16	19.5 gr / 10,900 PSI	—	—
1 1/8 oz	SR 7625	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
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
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

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SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE
20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS CONT.				
1200 fps				
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
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

SHOT SHELL data

LOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE
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20 GA., 2 3/4", FEDERAL PLASTIC TARGET SHELLS CONT.

1200 fps				
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

				1250 fps	1275 fps	1300 fps	1325 fps
1 oz	SR 7625	Rem. 209P	Rem. SP 20	21.0 gr / 11,400 PSI	—	—	—
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", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS

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
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	SR 7625	Rem. 209P	WAA20	17.0 gr / 11,000 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

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE
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20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS CONT.

1200 fps				
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
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

20 GA., 2 3/4", REMINGTON RXP, PREMIER AND STS PLASTIC SHELLS CONT.

1200 fps				
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

				1150 fps	1175 fps	1200 fps
1 oz	SR 4756	Rem. 209P	Rem. SP 20	—	—	19.5 gr / 11,500 PSI
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

SHOTSHLL data

HOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE	
20 GA., 2 3/4", WINCHESTER COMPRESSION-FORMED AA TYPE PLASTIC SHELLS					
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	
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	—

SHOT SHELL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE			
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20 GA., 3" FEDERAL PLASTIC SHELLS

				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
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	—	—
				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 PREMIER PLASTIC SHELLS

				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" FEDERAL PLASTIC TARGET SHELLS

				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

SHOTSHIELD data

HOT POWDER PRIMER WAD CHARGE/PRESSURE

28 GA., 2 3/4" FEDERAL PLASTIC TARGET SHELLS CONT.

				1150 fps	1200 fps
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
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

28 GA., 2 3/4" REMINGTON STS PLASTIC SHELLS

				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	—

SHOTSHIELD data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE	
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28 GA., 2 3/4" REMINGTON STS PLASTIC SHELLS CONT.

				1150 fps	1200 fps
3/4 oz	PB	Rem. 209P	WAA28	—	13.5 gr / 12,300 PSI
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 PLASTIC SHELLS

				1150 fps	1200 fps
3/4 oz	SR 7625	Rem. 209P	CB 1034-28	—	14.0 gr / 12,300 PSI
3/4 oz	SR 7625	Rem. 209P	Fed. 28S1	13.5 gr / 12,400 PSI	—
3/4 oz	SR 7625	Rem. 209P	PC28	13.5 gr / 12,000 PSI	—
3/4 oz	SR 7625	Rem. 209P	WAA28	—	14.0 gr / 12,300 PSI
3/4 oz	SR 4756	Rem. 209P	CB 1034-28	14.0 gr / 12,000 PSI	—
3/4 oz	SR 4756	Rem. 209P	PC28	—	14.5 gr / 12,200 PSI
3/4 oz	SR 4756	Rem. 209P	WAA28	14.0 gr / 11,500 PSI	—
3/4 oz	SR 4756	Win. 209	CB 1034-28	14.0 gr / 12,100 PSI	—
3/4 oz	SR 4756	Win. 209	Fed. 28S1	14.0 gr / 12,500 PSI	—
3/4 oz	SR 4756	Win. 209	PC28	—	14.5 gr / 12,000 PSI
3/4 oz	SR 4756	Win. 209	WAA28	14.0 gr / 11,400 PSI	—

SHOTSKILL data

SHOT	POWDER	PRIMER	WAD	CHARGE/PRESSURE	
28 GA., 2 3/4" WINCHESTER AA PLASTIC SHELLS CONT.					
				1150 fps	1200 fps
3/4 oz	800-X	Fed. 209A	CB 1034-28	—	12.5 gr / 11,700 PSI
3/4 oz	800-X	Fed. 209A	Fed. 28S1	12.0 gr / 12,000 PSI	—
3/4 oz	800-X	Fed. 209A	PC28	—	13.0 gr / 12,300 PSI
3/4 oz	800-X	Fed. 209A	WAA28	—	12.5 gr / 11,600 PSI
3/4 oz	800-X	Rem. 209P	CB 1034-28	—	13.5 gr / 10,200 PSI
3/4 oz	800-X	Rem. 209P	Fed. 28S1	—	13.5 gr / 11,500 PSI
3/4 oz	800-X	Rem. 209P	PC28	—	13.0 gr / 11,400 PSI
3/4 oz	800-X	Rem. 209P	WAA28	—	14.0 gr / 9,700 PSI
3/4 oz	800-X	Win. 209	CB 1034-28	—	13.0 gr / 11,200 PSI
3/4 oz	800-X	Win. 209	Fed. 28S1	—	12.5 gr / 12,200 PSI
3/4 oz	800-X	Win. 209	PC28	—	13.0 gr / 12,000 PSI
3/4 oz	800-X	Win. 209	WAA28	—	13.0 gr / 11,400 PSI
410 BORE, 2 1/2" WINCHESTER COMPRESSION-FORMED AA PLASTIC SHELLS					
				1150 fps	
1/2 oz	IMR 4227	Win. 209	PC410	16.5 gr / 12,300 PSI	
410 BORE, 2 1/2" FEDERAL TARGET SHELLS					
				1150 fps	1200 fps
1/2 oz	IMR 4227	Fed. 209A	CB 1050-41	—	17.5 gr / 12,200 PSI
1/2 oz	IMR 4227	Fed. 209A	Fed. 410SC	—	17.5 gr / 12,200 PSI
1/2 oz	IMR 4227	Fed. 209A	PC410	17.0 gr / 12,500 PSI	—
1/2 oz	IMR 4227	Fed. 209A	Rem. SP410	17.0 gr / 12,000 PSI	—
				1150 fps	1200 fps
1/2 oz	IMR 4227	Rem. 209P	Rem. SP410	—	18.5 gr / 10,700 PSI
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 "SP" PLASTIC SHELLS					
				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, 3" REMINGTON "SP" PLASTIC SHELLS					
				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	—

N OTES

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How You Can Cut Both Recoil and Costs By Reloading With IMR Hi-Skor® 700-X.

The use of fixed-action shotguns in 12-gauge clay target events often poses a recoil problem for many shooters. Some attempted solutions with single-barrel trap guns or double-barrel over & unders have included back-boring, lengthened forcing cones and porting of barrels. All three help to a degree. But there's another recoil-reducing option you can put to work without diminishing the effectiveness of your shooting. Tailor your loads for lighter recoil at no loss in target-smashing performance by using **IMR Hi-Skor 700-X** powder.

Take a moment to consider the numbers. Standard 12-gauge 2³/₄-dram, 1¹/₈-ounce factory loads have a nominal muzzle velocity of 1145 feet per second. Over the years, shooters have been highly successful with this loading. In fact, a large majority of all trap and 12-gauge skeet records have been set with shells of this velocity. But many shotguns have discovered that they can shoot just as effectively in most 12-gauge events with lighter-recoiling, one-ounce target loads. Factory versions of these shells are loaded to 1180 fps, a bit faster than the 1¹/₈-ounce loads, and maybe even faster than you need. There are formulas in the IMR Handloader's Guide for a variety of components that approximate this velocity. If you've been utilizing one of these and are comfortable with it, by all means stay with it.



But you can cut recoil to even more comfortable levels with your one-ounce loads by reducing the powder charge to produce the 1145 fps velocity level that has proven so effective over the years. And, with the already economical efficiency of clean burning **Hi-Skor 700-X**, you'll get the cost-saving bonus of another 25 to 30 reloads per pound. That's a combination that's easier on both your shoulder and your wallet.

Try it. Simply check the IMR Handloader's Guide recommendations with **Hi-Skor 700-X** for the components you prefer and the velocity you want. Then select a powder bushing to drop the recommended amount. Notice the savings in powder, and, at the reduced velocity, the corresponding reduction in chamber pressure. That translates directly to reduced recoil.

There's one more reason to consider IMR powders for all your reloading needs. They are backed by an unbroken 197-year tradition of quality and reliability for American shooters.

For a free copy of the comprehensive IMR Handloader's Guide, ask your dealer or write to IMR, P.O. Box 2932, Shawnee Mission, KS 66201.

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