

Handloader's Guide

For Smokeless Powders



Shotshell • Rifle • Handgun

Before using any of the loading data contained in this guide,
please be sure to read all of the safety information.

IMRTM

SAFETY INFORMATION

This *IMR Handloader's Guide* presents revised and updated information on the use of IMR powders to reload shotshell, handgun and rifle ammunition. This *Guide* is not intended to be a "how to" manual for reloading, and we strongly recommend that all handloaders carefully read one or more of the reloading manuals which cover the subject in detail. This *Guide* is offered to be used at your own discretion and risk. Since we have no control over the circumstances of use, we assume no liability for the results obtained. And we guarantee only that our powders meet our manufacturing standards.

It is possible that changes in components which could affect ballistic performance could occur without our knowledge. The components used and specified in all our data were those that were commercially available to the handloader at the time our tests were conducted. It is the responsibility of the handloader to check each of his components to insure that they are the same as specified in our data.

Improper modifications and/or alterations can render any type of firearm unsafe. All work should be conducted by the manufacturer or a qualified gunsmith. It is highly recommended that a shooter have his guns checked periodically by a qualified gunsmith to insure that they are in safe operating condition. Treat all guns as being loaded and read and practice all the rules of safe gun handling and shooting.

The future of handloading is dependent upon the safe handling and storage of powder and primers and the safe use of all ammunition. In this regard, read and follow the recommendations of the Sporting Arms and Ammunition Manufacturers' Institute, Inc. as published in "Properties and Storage of Smokeless Powder." A copy of this pamphlet is bound into this *Handloader's Guide*.

SHOTSHELL

The shotshell data section offers a wide selection of target and field loads. There have been a number of changes and modifications in shotshell components which make it increasingly important that the handloader carefully check all of the components being used to insure that they are the same as shown. If you have reason to question any of your components, contact the manufacturer.

Our goal in developing this shotshell data was to offer a selection of "factory duplication" loads, specifying the average velocity and chamber pressure of the rounds tested. However, not all factory loads can be duplicated because the components utilized are not available to the handloader. All of the ballistics data specified were obtained using once-fired cases and components available to the handloaders at the time our tests were performed.

All of the shotshell data presented were developed using **lead** shot. Do not attempt to reload any of the loads listed using **steel** shot. Substituting steel shot in any load developed for lead shot could be very dangerous.

To obtain a reasonable duplication of the ballistic results listed, you must reload exactly as shown. Substitution of components especially primers and/or alteration in powder charge or type of powder could result in extremely dangerous reloads.

Good, uniform, efficient reloads result only from careful reloading procedures. Always check powder and shot weights on a reliable scale, use the exact components specified, seat wads properly and use only cases that are in good condition. Never leave to chance the

powder type and/or weight and the lead shot weight that you are loading in a shell. Inspect all reloaded shells to insure that crimp closely duplicates that of factory loads.

Unfortunately, time and space do not permit publication of loads utilizing all of the many components available. Loading data utilizing IMR powders for wads not listed in this *Guide* may be obtained by contacting the wad manufacturer.

RIFLE

The rifle data section contains data for most of the popular cartridges. The components specified were those that were commercially available to the handloader at the time the tests were performed.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels used and components specified, with the exception of loads that are specified as (C) compressed charges which may represent case capacity rather than maximum chamber pressure. All tests were conducted utilizing commercial barrels in a Universal Receiver.

It is not unusual for reloads assembled with particular components and fired in the individual reloader's gun to give ballistic results (particularly chamber pressures) that vary in either direction from the published data. To compensate for any component and/or gun combination that would tend to yield pressures in excess of the published data, it is recommended that the powder charge be reduced 10% initially. (This reduction in powder charge weight should also be made each time that any of the components in the load are changed.) After firing several loads at the lower powder charge weight—without ANY evidence of excessive chamber pressure—the powder charge weight may then be increased in 0.5 grain increments as accuracy needs and pressure indications permit. The subject of excessive pressure along with illustrations is included in most reloading manuals, and should be read before attempting any reloading.

Always make certain that you use the correct ammunition in your rifle.

This data must be used only with IMR Smokeless Powders. **Never use this data for powders that may have similar numerical designations!**

HANDGUN

The handgun section contains loads for the more popular handgun cartridges utilizing the handloading components commercially available at the time our tests were conducted. We have also included a section of handgun data for the T/C Contender in cartridge and component combinations of particular interest to the metallic silhouette shooter. Test components used are specified and these exact components must be used to achieve a reasonable duplication of the ballistic data shown.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels and components used, with the exception of loads that are specified as (C) compressed charges and therefore may represent case capacity rather than maximum chamber pressure, and loads that duplicate factory velocity. All tests were conducted utilizing commercial barrels in a Universal Receiver.

Always practice all of the principals of SAFE RELOADING and enjoy good shooting.

RELOADING SAFETY

Reloading ammunition is an enjoyable hobby, and can be conducted safely if certain rules are followed:

1. Exercise care and common sense at all times.
2. Don't become distracted when you are handloading.
3. Never load in haste. A careless mistake can be serious.
4. Use equipment as manufacturer recommends.
Never take shortcuts.
5. Store powder in a cool, dry place at all times.
6. Never use a powder unless you are positive of its identity.
7. Never substitute smokeless powder for black powder.
8. Never use IMR powder data for any other powder types with similar numerical designations.
9. Keep powder away from heat and open flames.
10. Never smoke while handling powder.
11. Keep powder out of reach of children.
12. Don't mix powders.
13. Don't keep more powder in an open container than you need.
14. Observe all maximum load warnings in handbooks.
15. Work up all new loads starting 10% below the recommended maximum charge weight.
16. Examine every case before loading to insure it is in good condition.
17. Watch for indications of high pressures in establishing a new load.
18. Never use smokeless powder in firearms designed for black powder.
19. DO NOT use *steel shot* in any of the shotshell loads listed in this guide.
20. Use of safety glasses while reloading is recommended.
21. Clean up any powder spills immediately. Use dust pan and brush to clean up powder. Dispose of it in accordance with recommended procedures.
22. Make sure powder container is empty before disposing of container.
23. Consult suppliers of components if you have any questions about their use.
24. Check powder charges regularly to insure using proper powder charge weight.
25. Develop a routine for reloading to guard against mistakes.

NOTE:

- It should be recognized that Auto-Loading Shotguns may not function with some of the Low Chamber Pressure Loads.
- Several Handgun Calibers show Chamber Pressure in PSI.
- If you use Military Brass for certain Center-Fire Calibers the maximum powder charges should be lowered from data shown.
- **We have included a separate section in the Rifle Data Section that provides recommendations for various Calibers and Components showing Chamber Pressures in PSI units versus prior data with CUP units for the Chamber Pressure. There will be additions to this section as the data becomes available.**

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SHOTSHELL TARGET DATA

12 GAUGE 2¾ INCH 24 GRAM LOADS

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL						Grams**		
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1155	5300
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1205	5900
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	24	1255	6600
FEDERAL	209A	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	24	1325	7800
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1145	4800
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	CB.	CB1100-12	24	1195	5500
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1250	6200
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	CB.	CB1100-12	24	1335	7400
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1145	5000
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1195	5700
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	REM.	TGT12	24	1245	6200
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	REM.	TGT12	24	1325	7100
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	CB.	CB2100-12	24	1160	5300
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB2100-12	24	1210	6000
FEDERAL	209A	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1260	6600
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1330	7500
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	FED.	12S0	24	1160	5500
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	FED.	12S0	24	1205	6200
FEDERAL	209A	"HI-SKOR" 700-X	18.0*	FED.	12S0	24	1255	6800
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	FED.	12S0	24	1325	7800
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	ACTIV	TG-30	24	1155	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	ACTIV	TG-30	24	1200	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1245	7300
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	ACTIV	TG-30	24	1335	8800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1150	4700
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1205	5400
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	WIN.	WAA12SL	24	1250	5900
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	WIN.	WAA12SL	24	1325	6600
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1140	4000
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1205	4600
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1250	5300
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	CB.	CB1100-12	24	1320	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1150	4200
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1195	4800
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1250	5700
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	REM.	TGT12	24	1330	6500
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	CB.	CB2100-12	24	1140	4000
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1195	4500
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1265	5200
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	CB.	CB2100-12	24	1330	6300
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	FED.	12S0	24	1160	4800
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	FED.	12S0	24	1205	5300
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	FED.	12S0	24	1250	6000
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	FED.	12S0	24	1340	7300
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	ACTIV	TG-30	24	1145	4800
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1210	5500
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	ACTIV	TG-30	24	1250	6100
REMINGTON	209P	"HI-SKOR" 700-X	20.0*	ACTIV	TG-30	24	1320	7000
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1150	5100
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1200	5700
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	24	1250	6400
WINCHESTER	209	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	24	1320	7500
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1155	4900
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1210	5500
WINCHESTER	209	"HI-SKOR" 700-X	18.0*	CB.	CB1100-12	24	1260	6200
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	CB.	CB1100-12	24	1335	7300
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1150	5200
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1195	5800
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	REM.	TGT12	24	1245	6400
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	REM.	TGT12	24	1335	7800
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	CB.	CB2100-12	24	1160	5300
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB2100-12	24	1210	5900
WINCHESTER	209	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1260	6500
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1335	7400
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	FED.	12S0	24	1145	5400
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	FED.	12S0	24	1195	6100
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	FED.	12S0	24	1250	6700
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	FED.	12S0	24	1330	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	ACTIV	TG-30	24	1145	5600
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	ACTIV	TG-30	24	1195	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1245	7000
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	ACTIV	TG-30	24	1335	8400

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2¾ INCH 24 GRAM LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL						Grams**		
FEDERAL	209A	PB	20.0*	WIN.	WAA12SL	24	1155	5000
FEDERAL	209A	PB	21.0*	WIN.	WAA12SL	24	1195	5300
FEDERAL	209A	PB	22.5*	WIN.	WAA12SL	24	1250	5900
FEDERAL	209A	PB	24.5*	WIN.	WAA12SL	24	1325	6600
FEDERAL	209A	PB	20.0*	CB.	CB2118-12	24	1150	4900
FEDERAL	209A	PB	21.0*	CB.	CB2118-12	24	1190	5400
FEDERAL	209A	PB	22.5*	CB.	CB2118-12	24	1250	6000
FEDERAL	209A	PB	24.5*	CB.	CB2118-12	24	1330	6900
FEDERAL	209A	PB	20.0*	REM.	TGT12	24	1145	4700
FEDERAL	209A	PB	21.5*	REM.	TGT12	24	1205	5300
FEDERAL	209A	PB	23.0*	REM.	TGT12	24	1265	6000
FEDERAL	209A	PB	24.5*	REM.	TGT12	24	1325	6700
FEDERAL	209A	PB	20.0*	FED.	12S3	24	1155	5200
FEDERAL	209A	PB	21.0*	FED.	12S3	24	1195	5600
FEDERAL	209A	PB	22.5*	FED.	12S3	24	1260	6300
FEDERAL	209A	PB	24.0*	FED.	12S3	24	1320	7000
FEDERAL	209A	PB	20.0*	ACTIV	TG-30	24	1145	5000
FEDERAL	209A	PB	21.5*	ACTIV	TG-30	24	1205	5600
FEDERAL	209A	PB	22.5*	ACTIV	TG-30	24	1250	6100
FEDERAL	209A	PB	24.5*	ACTIV	TG-30	24	1330	7000
REMINGTON	209P	PB	21.0*	WIN.	WAA12SL	24	1140	3900
REMINGTON	209P	PB	22.5*	WIN.	WAA12SL	24	1195	4400
REMINGTON	209P	PB	24.0*	WIN.	WAA12SL	24	1255	5100
REMINGTON	209P	PB	25.5*	WIN.	WAA12SL	24	1320	5700
REMINGTON	209P	PB	21.0*	CB.	CB2118-12	24	1150	4300
REMINGTON	209P	PB	22.5*	CB.	CB2118-12	24	1205	4700
REMINGTON	209P	PB	24.0*	CB.	CB2118-12	24	1265	5300
REMINGTON	209P	PB	25.5*	CB.	CB2118-12	24	1330	6100
REMINGTON	209P	PB	21.0*	REM.	TGT12	24	1145	3900
REMINGTON	209P	PB	22.5*	REM.	TGT12	24	1200	4500
REMINGTON	209P	PB	24.0*	REM.	TGT12	24	1265	5200
REMINGTON	209P	PB	25.5*	REM.	TGT12	24	1330	6000
REMINGTON	209P	PB	21.0*	FED.	12S3	24	1160	4700
REMINGTON	209P	PB	22.0*	FED.	12S3	24	1205	5100
REMINGTON	209P	PB	23.0*	FED.	12S3	24	1250	5600
REMINGTON	209P	PB	25.0*	FED.	12S3	24	1330	6600
REMINGTON	209P	PB	20.0*	ACTIV	TG-30	24	1140	4800
REMINGTON	209P	PB	22.0*	ACTIV	TG-30	24	1205	5300
REMINGTON	209P	PB	23.5*	ACTIV	TG-30	24	1260	5700
REMINGTON	209P	PB	25.0*	ACTIV	TG-30	24	1325	6400
WINCHESTER	209	PB	20.5*	WIN.	WAA12SL	24	1145	4300
WINCHESTER	209	PB	21.5*	WIN.	WAA12SL	24	1190	4800
WINCHESTER	209	PB	23.0*	WIN.	WAA12SL	24	1255	5400
WINCHESTER	209	PB	25.0*	WIN.	WAA12SL	24	1335	6200
WINCHESTER	209	PB	20.5*	CB.	CB2118-12	24	1150	4800
WINCHESTER	209	PB	21.5*	CB.	CB2118-12	24	1195	5300
WINCHESTER	209	PB	23.0*	CB.	CB2118-12	24	1260	6000
WINCHESTER	209	PB	24.5*	CB.	CB2118-12	24	1320	6600
WINCHESTER	209	PB	20.5*	REM.	TGT12	24	1140	4500
WINCHESTER	209	PB	22.0*	REM.	TGT12	24	1200	5000
WINCHESTER	209	PB	23.5*	REM.	TGT12	24	1265	5700
WINCHESTER	209	PB	25.0*	REM.	TGT12	24	1325	6300
WINCHESTER	209	PB	20.5*	FED.	12S3	24	1145	4800
WINCHESTER	209	PB	22.0*	FED.	12S3	24	1205	5600
WINCHESTER	209	PB	23.0*	FED.	12S3	24	1250	6100
WINCHESTER	209	PB	24.5*	FED.	12S3	24	1320	6900
WINCHESTER	209	PB	20.5*	ACTIV	TG-30	24	1160	5100
WINCHESTER	209	PB	21.5*	ACTIV	TG-30	24	1200	5600
WINCHESTER	209	PB	22.5*	ACTIV	TG-30	24	1250	6100
WINCHESTER	209	PB	24.5*	ACTIV	TG-30	24	1325	6900
FEDERAL	209A	SR7625	23.5*	WIN.	WAA12SL	24	1150	3800
FEDERAL	209A	SR7625	24.5*	WIN.	WAA12SL	24	1190	4200
FEDERAL	209A	SR7625	25.5	WIN.	WAA12SL	24	1255	4800
FEDERAL	209A	SR7625	27.0	WIN.	WAA12SL	24	1320	5600
FEDERAL	209A	SR7625	24.0	CB.	CB2100-12	24	1145	3400
FEDERAL	209A	SR7625	25.5	CB.	CB2100-12	24	1205	3900

***INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.**
NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions; to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2¾ INCH 24 GRAM LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL						Grams**		
FEDERAL	209A	SR7625	26.5	CB.	CB2100-12	24	1250	4300
FEDERAL	209A	SR7625	28.5	CB.	CB2100-12	24	1325	5000
FEDERAL	209A	SR7625	24.0	REM.	TGT12	24	1155	3700
FEDERAL	209A	SR7625	25.0	REM.	TGT12	24	1195	4000
FEDERAL	209A	SR7625	26.5	REM.	TGT12	24	1255	4600
FEDERAL	209A	SR7625	28.5	REM.	TGT12	24	1335	5400
FEDERAL	209A	SR7625	23.5	FED.	12S0	24	1145	3800
FEDERAL	209A	SR7625	25.0	FED.	12S0	24	1205	4300
FEDERAL	209A	SR7625	26.5	FED.	12S0	24	1265	4900
FEDERAL	209A	SR7625	28.0	FED.	12S0	24	1320	5400
FEDERAL	209A	SR7625	23.5*	ACTIV	TG-30	24	1155	4100
FEDERAL	209A	SR7625	24.5*	ACTIV	TG-30	24	1200	4600
FEDERAL	209A	SR7625	26.0*	ACTIV	TG-30	24	1260	5300
FEDERAL	209A	SR7625	28.0*	ACTIV	TG-30	24	1335	5900
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WINCHESTER	209	SR7625	24.5*	WIN.	WAA12SL	24	1145	3500
WINCHESTER	209	SR7625	25.5	WIN.	WAA12SL	24	1195	3800
WINCHESTER	209	SR7625	27.0	WIN.	WAA12SL	24	1265	4600
WINCHESTER	209	SR7625	28.5	WIN.	WAA12SL	24	1335	5400
WINCHESTER	209	SR7625	25.0	CB.	CB2100-12	24	1155	3300
WINCHESTER	209	SR7625	26.0	CB.	CB2100-12	24	1195	3600
WINCHESTER	209	SR7625	27.5	CB.	CB2100-12	24	1250	4000
WINCHESTER	209	SR7625	29.5	CB.	CB2100-12	24	1322	4600
WINCHESTER	209	SR7625	24.5	REM.	TGT12	24	1150	3500
WINCHESTER	209	SR7625	25.5	REM.	TGT12	24	1195	3700
WINCHESTER	209	SR7625	27.0	REM.	TGT12	24	1250	4200
WINCHESTER	209	SR7625	29.0	REM.	TGT12	24	1330	4900
WINCHESTER	209	SR7625	24.5	FED.	12S0	24	1155	3700
WINCHESTER	209	SR7625	25.5	FED.	12S0	24	1200	4000
WINCHESTER	209	SR7625	27.0	FED.	12S0	24	1255	4500
WINCHESTER	209	SR7625	29.0	FED.	12S0	24	1330	5200
WINCHESTER	209	SR7625	23.5*	ACTIV	TG-30	24	1140	3900
WINCHESTER	209	SR7625	25.0*	ACTIV	TG-30	24	1200	4400
WINCHESTER	209	SR7625	26.5*	ACTIV	TG-30	24	1260	5000
WINCHESTER	209	SR7625	28.0*	ACTIV	TG-30	24	1320	5600
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SHELL: REMINGTON PREMIER (RTL)						Grams**		
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1140	6500
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1195	7300
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1245	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1335	10000
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	CB.	CB1100-12	24	1155	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1205	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1255	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1330	8900
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1160	6500
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1210	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1265	8300
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1335	9600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1155	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1210	6800
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1260	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1325	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1160	6600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1210	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1260	8100
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1325	9200
FEDERAL	209A	"HI-SKOR" 700-X	14.5	ACTIV	TG-30	24	1155	6900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1200	7600
FEDERAL	209A	"HI-SKOR" 700-X	16.5	ACTIV	TG-30	24	1250	8300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	ACTIV	TG-30	24	1320	9600
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REMINGTON	209P	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1155	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1210	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1255	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1320	8900
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1155	5500
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	CB.	CB1100-12	24	1210	6400
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1260	7200
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1335	8400
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1150	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1250	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	REM.	TGT12	24	1335	8700
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1150	5700

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2¾ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER		WAD COLUMN		LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
		DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: REMINGTON PREMIER (RTL)						Grams**		
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1250	7400
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1330	8600
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	6100
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1205	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1260	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1340	9800
REMINGTON	209P	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1155	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1210	7300
REMINGTON	209P	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1260	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1330	9300
WINCHESTER	209	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1160	6700
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1210	7600
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8400
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1335	9700
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	24	1140	5300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	24	1200	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	24	1250	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	24	1325	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1155	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1205	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1260	8000
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1335	9200
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1145	5700
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1200	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1255	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1335	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1160	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1215	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1265	8100
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1335	9400
WINCHESTER	209	"HI-SKOR" 700-X	14.5	ACTIV	TG-30	24	1135	6200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1190	7100
WINCHESTER	209	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1265	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1335	9700
FEDERAL	209A	PB	17.5	WIN.	WAA12SL	24	1155	6400
FEDERAL	209A	PB	18.5	WIN.	WAA12SL	24	1200	7100
FEDERAL	209A	PB	20.0	WIN.	WAA12SL	24	1265	8100
FEDERAL	209A	PB	21.5	WIN.	WAA12SL	24	1330	9000
FEDERAL	209A	PB	18.0	CB.	CB1100-12	24	1140	5100
FEDERAL	209A	PB	19.5	CB.	CB1100-12	24	1205	6100
FEDERAL	209A	PB	20.5	CB.	CB1100-12	24	1250	6800
FEDERAL	209A	PB	22.5	CB.	CB1100-12	24	1330	7800
FEDERAL	209A	PB	18.0	REM.	TGT12	24	1145	5500
FEDERAL	209A	PB	19.5	REM.	TGT12	24	1205	6300
FEDERAL	209A	PB	20.5	REM.	TGT12	24	1250	6700
FEDERAL	209A	PB	22.5	REM.	TGT12	24	1330	7800
FEDERAL	209A	PB	18.0	FED.	12S0	24	1155	6300
FEDERAL	209A	PB	19.0	FED.	12S0	24	1195	6900
FEDERAL	209A	PB	20.5	FED.	12S0	24	1255	7800
FEDERAL	209A	PB	22.0	FED.	12S0	24	1320	8700
FEDERAL	209A	PB	18.5	ACTIV	TG-30	24	1150	5800
FEDERAL	209A	PB	19.5	ACTIV	TG-30	24	1190	6300
FEDERAL	209A	PB	21.0	ACTIV	TG-30	24	1255	7100
FEDERAL	209A	PB	22.5	ACTIV	TG-30	24	1320	8000
REMINGTON	209P	PB	18.5	WIN.	WAA12SL	24	1145	5400
REMINGTON	209P	PB	19.5	WIN.	WAA12SL	24	1195	6200
REMINGTON	209P	PB	21.0	WIN.	WAA12SL	24	1265	7300
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	24	1325	8000
REMINGTON	209P	PB	19.5	CB.	CB1100-12	24	1140	4300
REMINGTON	209P	PB	21.0	CB.	CB1100-12	24	1205	5100
REMINGTON	209P	PB	22.0	CB.	CB1100-12	24	1250	5600
REMINGTON	209P	PB	24.0	CB.	CB1100-12	24	1330	6400
REMINGTON	209P	PB	19.5	REM.	TGT12	24	1155	4800
REMINGTON	209P	PB	20.5	REM.	TGT12	24	1195	5200
REMINGTON	209P	PB	22.0	REM.	TGT12	24	1260	6000

***INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.**
NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2¾ INCH 24 GRAM LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)						Grams**		
REMINGTON	209P	PB	23.5	REM.	TGT12	24	1325	6900
REMINGTON	209P	PB	19.0	FED.	12S0	24	1145	5300
REMINGTON	209P	PB	20.5	FED.	12S0	24	1210	6300
REMINGTON	209P	PB	21.5	FED.	12S0	24	1255	6800
REMINGTON	209P	PB	23.5	FED.	12S0	24	1335	7700
REMINGTON	209P	PB	19.0	ACTIV	TG-30	24	1140	5200
REMINGTON	209P	PB	20.5	ACTIV	TG-30	24	1210	6000
REMINGTON	209P	PB	21.5	ACTIV	TG-30	24	1255	6500
REMINGTON	209P	PB	23.5	ACTIV	TG-30	24	1335	7500
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WINCHESTER	209	PB	18.0	WIN.	WAA12SL	24	1140	5600
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	24	1200	6400
WINCHESTER	209	PB	20.5	WIN.	WAA12SL	24	1245	7000
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	24	1330	8100
WINCHESTER	209	PB	19.0	CB.	CB1100-12	24	1145	4700
WINCHESTER	209	PB	20.5	CB.	CB1100-12	24	1205	5200
WINCHESTER	209	PB	21.5	CB.	CB1100-12	24	1245	5600
WINCHESTER	209	PB	23.5	CB.	CB1100-12	24	1330	6400
WINCHESTER	209	PB	19.0	REM.	TGT12	24	1155	5200
WINCHESTER	209	PB	20.0	REM.	TGT12	24	1200	5700
WINCHESTER	209	PB	21.0	REM.	TGT12	24	1245	6200
WINCHESTER	209	PB	23.0	REM.	TGT12	24	1330	7300
WINCHESTER	209	PB	19.0	FED.	12S0	24	1145	5400
WINCHESTER	209	PB	20.5	FED.	12S0	24	1210	6300
WINCHESTER	209	PB	21.5	FED.	12S0	24	1250	6800
WINCHESTER	209	PB	23.5	FED.	12S0	24	1335	7700
WINCHESTER	209	PB	19.0	ACTIV	TG-30	24	1155	5700
WINCHESTER	209	PB	20.0	ACTIV	TG-30	24	1190	6100
WINCHESTER	209	PB	21.5	ACTIV	TG-30	24	1255	6900
WINCHESTER	209	PB	23.0	ACTIV	TG-30	24	1325	7800
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FEDERAL	209A	SR7625	20.5	WIN.	WAA12SL	24	1155	5700
FEDERAL	209A	SR7625	21.5	WIN.	WAA12SL	24	1195	6200
FEDERAL	209A	SR7625	23.0	WIN.	WAA12SL	24	1250	6800
FEDERAL	209A	SR7625	25.0	WIN.	WAA12SL	24	1320	7500
FEDERAL	209A	SR7625	21.5	CB.	CB1100-12	24	1150	4600
FEDERAL	209A	SR7625	23.0	CB.	CB1100-12	24	1210	5100
FEDERAL	209A	SR7625	24.0	CB.	CB1100-12	24	1250	5600
FEDERAL	209A	SR7625	26.0	CB.	CB1100-12	24	1330	6500
FEDERAL	209A	SR7625	22.0*	REM.	FIG8	24	1150	4700
FEDERAL	209A	SR7625	23.0*	REM.	FIG8	24	1195	5200
FEDERAL	209A	SR7625	24.5*	REM.	FIG8	24	1260	6000
FEDERAL	209A	SR7625	26.0*	REM.	FIG8	24	1320	6800
FEDERAL	209A	SR7625	21.5	FED.	12S0	24	1155	5300
FEDERAL	209A	SR7625	22.5	FED.	12S0	24	1200	5700
FEDERAL	209A	SR7625	24.0	FED.	12S0	24	1260	6500
FEDERAL	209A	SR7625	25.0	FED.	12S0	24	1325	7300
FEDERAL	209A	SR7625	21.0	ACTIV	TG-30	24	1140	5100
FEDERAL	209A	SR7625	22.5	ACTIV	TG-30	24	1200	5700
FEDERAL	209A	SR7625	23.5	ACTIV	TG-30	24	1245	6200
FEDERAL	209A	SR7625	25.5	ACTIV	TG-30	24	1325	7200
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REMINGTON	209P	SR7625	21.5	WIN.	WAA12SL	24	1155	4800
REMINGTON	209P	SR7625	23.0	WIN.	WAA12SL	24	1205	5300
REMINGTON	209P	SR7625	24.5	WIN.	WAA12SL	24	1255	5800
REMINGTON	209P	SR7625	26.0	WIN.	WAA12SL	24	1325	6800
REMINGTON	209P	SR7625	23.5	CB.	CB1100-12	24	1145	3200
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	24	1205	3800
REMINGTON	209P	SR7625	26.0	CB.	CB1100-12	24	1250	4400
REMINGTON	209P	SR7625	27.5	CB.	CB1100-12	24	1320	5300
REMINGTON	209P	SR7625	22.0*	REM.	FIG8	24	1140	4200
REMINGTON	209P	SR7625	23.5*	REM.	FIG8	24	1205	4900
REMINGTON	209P	SR7625	24.5*	REM.	FIG8	24	1245	5300
REMINGTON	209P	SR7625	26.5*	REM.	FIG8	24	1325	6200
REMINGTON	209P	SR7625	21.5	FED.	12S0	24	1155	4600
REMINGTON	209P	SR7625	23.0	FED.	12S0	24	1210	5300
REMINGTON	209P	SR7625	24.0	FED.	12S0	24	1250	5800
REMINGTON	209P	SR7625	26.0	FED.	12S0	24	1335	6900
REMINGTON	209P	SR7625	21.5	ACTIV	TG-30	24	1155	4900
REMINGTON	209P	SR7625	23.0	ACTIV	TG-30	24	1210	5200
REMINGTON	209P	SR7625	24.5	ACTIV	TG-30	24	1260	5600
REMINGTON	209P	SR7625	26.0	ACTIV	TG-30	24	1320	6300

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.
 NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)						Grams**		
WINCHESTER	209	SR7625	21.0	WIN.	WAA12SL	24	1160	5300
WINCHESTER	209	SR7625	22.0	WIN.	WAA12SL	24	1205	5900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12SL	24	1250	6400
WINCHESTER	209	SR7625	24.5	WIN.	WAA12SL	24	1320	7300
WINCHESTER	209	SR7625	23.0	CB.	CB1100-12	24	1145	3800
WINCHESTER	209	SR7625	24.5	CB.	CB1100-12	24	1210	4400
WINCHESTER	209	SR7625	25.5	CB.	CB1100-12	24	1255	4900
WINCHESTER	209	SR7625	27.0	CB.	CB1100-12	24	1325	5700
WINCHESTER	209	SR7625	22.5*	REM.	FIG8	24	1160	4600
WINCHESTER	209	SR7625	23.5*	REM.	FIG8	24	1205	5100
WINCHESTER	209	SR7625	24.5*	REM.	FIG8	24	1245	5600
WINCHESTER	209	SR7625	26.5*	REM.	FIG8	24	1325	6500
WINCHESTER	209	SR7625	22.5	FED.	12S0	24	1160	4800
WINCHESTER	209	SR7625	23.5	FED.	12S0	24	1210	5300
WINCHESTER	209	SR7625	24.5	FED.	12S0	24	1255	6000
WINCHESTER	209	SR7625	26.0	FED.	12S0	24	1325	6900
WINCHESTER	209	SR7625	21.5	ACTIV	TG-30	24	1145	5000
WINCHESTER	209	SR7625	23.0	ACTIV	TG-30	24	1205	5600
WINCHESTER	209	SR7625	24.0	ACTIV	TG-30	24	1250	6100
WINCHESTER	209	SR7625	25.5	ACTIV	TG-30	24	1320	7000
SHELL: WINCHESTER AA						Grams**		
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1145	6400
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1195	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8100
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1320	9100
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	CB.	CB1100-12	24	1140	5700
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1190	6400
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1260	7400
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1325	8300
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	REM.	TGT12	24	1140	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1210	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1255	7800
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1320	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1160	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1210	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1260	7500
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1325	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	6400
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1200	7100
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1250	7900
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1325	9000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1145	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1205	7100
FEDERAL	209A	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1255	8000
FEDERAL	209A	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1320	9100
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1140	5300
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1200	6000
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	WIN.	WAA12SL	24	1265	6800
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	WIN.	WAA12SL	24	1330	7600
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1145	4100
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1200	4800
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1265	5500
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	CB.	CB1100-12	24	1335	6400
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1150	5000
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1190	5500
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	REM.	TGT12	24	1250	6100
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	REM.	TGT12	24	1325	6800
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1140	4800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	24	1200	5200
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	24	1255	5600
REMINGTON	209P	"HI-SKOR" 700-X	20.0	CB.	CB2100-12	24	1325	6300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	5000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S0	24	1190	5600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S0	24	1250	6300
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S0	24	1320	7600
REMINGTON	209P	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1145	5400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	ACTIV	TG-30	24	1200	6100
REMINGTON	209P	"HI-SKOR" 700-X	18.0	ACTIV	TG-30	24	1255	6700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	ACTIV	TG-30	24	1330	7500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions; to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2¾ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA						Grams**		
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1140	6300
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1190	7100
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1325	9100
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	CB.	CB1100-12	24	1135	5600
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1190	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1260	7300
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1325	8400
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	REM.	TGT12	24	1140	6000
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1205	6900
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1250	7600
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1320	8700
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1140	5400
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1195	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1250	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1320	8600
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12S0	24	1145	6600
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S0	24	1195	7300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1265	8300
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1325	9300
WINCHESTER	209	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1150	6200
WINCHESTER	209	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1205	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1255	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1320	8900
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FEDERAL	209A	PB	18.0	WIN.	WAA12SL	24	1160	5800
FEDERAL	209A	PB	19.0	WIN.	WAA12SL	24	1195	6200
FEDERAL	209A	PB	20.5	WIN.	WAA12SL	24	1255	6900
FEDERAL	209A	PB	22.5	WIN.	WAA12SL	24	1330	7800
FEDERAL	209A	PB	18.5	CB.	CB1100-12	24	1155	4900
FEDERAL	209A	PB	20.0	CB.	CB1100-12	24	1205	5300
FEDERAL	209A	PB	21.0	CB.	CB1100-12	24	1245	5600
FEDERAL	209A	PB	23.0	CB.	CB1100-12	24	1320	6600
FEDERAL	209A	PB	18.0*	REM.	FIG8	24	1145	5200
FEDERAL	209A	PB	19.5*	REM.	FIG8	24	1200	5800
FEDERAL	209A	PB	21.0*	REM.	FIG8	24	1255	6500
FEDERAL	209A	PB	23.0*	REM.	FIG8	24	1325	7200
FEDERAL	209A	PB	18.5	FED.	12S0	24	1150	5500
FEDERAL	209A	PB	19.5	FED.	12S0	24	1190	6000
FEDERAL	209A	PB	21.0	FED.	12S0	24	1250	6600
FEDERAL	209A	PB	23.0	FED.	12S0	24	1330	7900
FEDERAL	209A	PB	18.5	ACTIV	TG-30	24	1140	5100
FEDERAL	209A	PB	20.0	ACTIV	TG-30	24	1205	6000
FEDERAL	209A	PB	21.0	ACTIV	TG-30	24	1255	6700
FEDERAL	209A	PB	23.0	ACTIV	TG-30	24	1330	7700
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REMINGTON	209P	PB	18.5	WIN.	WINAA12SL	24	1140	4800
REMINGTON	209P	PB	20.0	WIN.	WINAA12SL	24	1195	5400
REMINGTON	209P	PB	21.5	WIN.	WINAA12SL	24	1255	6100
REMINGTON	209P	PB	23.5	WIN.	WINAA12SL	24	1335	7200
REMINGTON	209P	PB	19.5	CB.	CB1100-12	24	1155	4200
REMINGTON	209P	PB	20.5	CB.	CB1100-12	24	1195	4500
REMINGTON	209P	PB	22.0	CB.	CB1100-12	24	1250	5000
REMINGTON	209P	PB	24.5	CB.	CB1100-12	24	1330	5700
REMINGTON	209P	PB	19.5*	REM.	FIG8	24	1150	4500
REMINGTON	209P	PB	20.5*	REM.	FIG8	24	1190	5000
REMINGTON	209P	PB	22.0*	REM.	FIG8	24	1255	5800
REMINGTON	209P	PB	23.5*	REM.	FIG8	24	1320	6700
REMINGTON	209P	PB	19.5	FED.	12S0	24	1155	4900
REMINGTON	209P	PB	20.5	FED.	12S0	24	1200	5400
REMINGTON	209P	PB	22.0	FED.	12S0	24	1255	6100
REMINGTON	209P	PB	24.0	FED.	12S0	24	1325	6800
REMINGTON	209P	PB	19.5	ACTIV	TG-30	24	1150	4700
REMINGTON	209P	PB	20.5	ACTIV	TG-30	24	1190	5100
REMINGTON	209P	PB	22.0	ACTIV	TG-30	24	1255	5800
REMINGTON	209P	PB	23.5	ACTIV	TG-30	24	1320	6500
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WINCHESTER	209	PB	18.0	WIN.	WAA12SL	24	1145	5500
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	24	1200	6000
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	24	1260	6500
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	24	1325	7500
WINCHESTER	209	PB	19.0	CB.	CB1100-12	24	1155	4500
WINCHESTER	209	PB	20.5	CB.	CB1100-12	24	1205	5000
WINCHESTER	209	PB	22.0	CB.	CB1100-12	24	1260	5600
WINCHESTER	209	PB	23.5	CB.	CB1100-12	24	1325	6300

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER		WAD COLUMN		LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
		DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: WINCHESTER AA						Grams**		
WINCHESTER	209	PB	19.0*	REM.	FIG8	24	1145	4900
WINCHESTER	209	PB	20.5*	REM.	FIG8	24	1200	5400
WINCHESTER	209	PB	22.0*	REM.	FIG8	24	1255	6100
WINCHESTER	209	PB	23.5*	REM.	FIG8	24	1320	6800
WINCHESTER	209	PB	19.0	FED.	12S0	24	1155	5200
WINCHESTER	209	PB	20.0	FED.	12S0	24	1195	5800
WINCHESTER	209	PB	21.5	FED.	12S0	24	1260	6600
WINCHESTER	209	PB	23.0	FED.	12S0	24	1325	7500
WINCHESTER	209	PB	19.0	ACTIV	TG-30	24	1135	4900
WINCHESTER	209	PB	20.5	ACTIV	TG-30	24	1205	5700
WINCHESTER	209	PB	21.5	ACTIV	TG-30	24	1250	6300
WINCHESTER	209	PB	23.5	ACTIV	TG-30	24	1330	7300
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FEDERAL	209A	SR7625	21.0	WIN.	WAA12SL	24	1150	4600
FEDERAL	209A	SR7625	22.5	WIN.	WAA12SL	24	1200	5000
FEDERAL	209A	SR7625	24.0	WIN.	WAA12SL	24	1250	5400
FEDERAL	209A	SR7625	26.0	WIN.	WAA12SL	24	1330	6400
FEDERAL	209A	SR7625	22.5	CB.	CB1100-12	24	1155	3700
FEDERAL	209A	SR7625	23.5	CB.	CB1100-12	24	1195	4000
FEDERAL	209A	SR7625	25.0	CB.	CB1100-12	24	1250	4600
FEDERAL	209A	SR7625	27.0	CB.	CB1100-12	24	1335	5500
FEDERAL	209A	SR7625	22.0*	REM.	FIG8	24	1150	4200
FEDERAL	209A	SR7625	23.0*	REM.	FIG8	24	1195	4700
FEDERAL	209A	SR7625	24.5*	REM.	FIG8	24	1255	5300
FEDERAL	209A	SR7625	26.5*	REM.	FIG8	24	1330	6200
FEDERAL	209A	SR7625	22.0	FED.	12S0	24	1150	4400
FEDERAL	209A	SR7625	23.0	FED.	12S0	24	1195	4800
FEDERAL	209A	SR7625	24.5	FED.	12S0	24	1255	5400
FEDERAL	209A	SR7625	26.0	FED.	12S0	24	1320	6400
FEDERAL	209A	SR7625	21.5	ACTIV	TG-30	24	1145	4200
FEDERAL	209A	SR7625	23.0	ACTIV	TG-30	24	1205	4900
FEDERAL	209A	SR7625	24.0	ACTIV	TG-30	24	1250	5400
FEDERAL	209A	SR7625	26.0	ACTIV	TG-30	24	1325	6400
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REMINGTON	209P	SR7625	22.5	WIN.	WAA12SL	24	1150	3700
REMINGTON	209P	SR7625	24.0	WIN.	WAA12SL	24	1210	4400
REMINGTON	209P	SR7625	25.0	WIN.	WAA12SL	24	1250	4800
REMINGTON	209P	SR7625	27.0	WIN.	WAA12SL	24	1320	5500
REMINGTON	209P	SR7625	23.5	CB.	CB1100-12	24	1145	3000
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	24	1205	3500
REMINGTON	209P	SR7625	26.5	CB.	CB1100-12	24	1265	4100
REMINGTON	209P	SR7625	28.0	CB.	CB1100-12	24	1330	4700
REMINGTON	209P	SR7625	23.0*	REM.	FIG8	24	1150	3700
REMINGTON	209P	SR7625	24.0*	REM.	FIG8	24	1195	4200
REMINGTON	209P	SR7625	25.5*	REM.	FIG8	24	1255	4800
REMINGTON	209P	SR7625	27.5*	REM.	FIG8	24	1335	5700
REMINGTON	209P	SR7625	22.5	FED.	12S0	24	1140	4000
REMINGTON	209P	SR7625	24.0	FED.	12S0	24	1190	4400
REMINGTON	209P	SR7625	25.5	FED.	12S0	24	1250	5200
REMINGTON	209P	SR7625	27.0	FED.	12S0	24	1320	6000
REMINGTON	209P	SR7625	22.5	ACTIV	TG-30	24	1150	3900
REMINGTON	209P	SR7625	23.5	ACTIV	TG-30	24	1195	4400
REMINGTON	209P	SR7625	25.0	ACTIV	TG-30	24	1250	4900
REMINGTON	209P	SR7625	27.5	ACTIV	TG-30	24	1325	5600
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WINCHESTER	209	SR7625	22.5	WIN.	WAA12SL	24	1150	4200
WINCHESTER	209	SR7625	23.5	WIN.	WAA12SL	24	1195	4700
WINCHESTER	209	SR7625	25.0	WIN.	WAA12SL	24	1255	5300
WINCHESTER	209	SR7625	27.0	WIN.	WAA12SL	24	1330	6000
WINCHESTER	209	SR7625	23.5	CB.	CB1100-12	24	1150	3500
WINCHESTER	209	SR7625	24.5	CB.	CB1100-12	24	1190	3700
WINCHESTER	209	SR7625	26.0	CB.	CB1100-12	24	1250	4300
WINCHESTER	209	SR7625	28.0	CB.	CB1100-12	24	1330	5000
WINCHESTER	209	SR7625	22.0*	REM.	FIG8	24	1155	4300
WINCHESTER	209	SR7625	23.0*	REM.	FIG8	24	1190	4600
WINCHESTER	209	SR7625	24.5*	REM.	FIG8	24	1245	5100
WINCHESTER	209	SR7625	26.5*	REM.	FIG8	24	1320	5900
WINCHESTER	209	SR7625	22.0	FED.	12S0	24	1140	4100
WINCHESTER	209	SR7625	23.5	FED.	12S0	24	1195	4700
WINCHESTER	209	SR7625	25.0	FED.	12S0	24	1255	5300
WINCHESTER	209	SR7625	27.0	FED.	12S0	24	1335	6200
WINCHESTER	209	SR7625	22.0	ACTIV	TG-30	24	1140	4200
WINCHESTER	209	SR7625	23.5	ACTIV	TG-30	24	1200	4900
WINCHESTER	209	SR7625	25.0	ACTIV	TG-30	24	1255	5500
WINCHESTER	209	SR7625	27.0	ACTIV	TG-30	24	1335	6300

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

** 24 GRAINS LOADS ARE 370.4 GRAMS, 7/8 OZ. EQUALS 382.8 GRAINS

12 GAUGE 2¾ INCH 1 OUNCE LOADS

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	1	1100	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	1	1150	6900
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	1	1195	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	1	1250	8500
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	1	1110	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	1	1155	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	1	1200	7300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	1	1245	7900
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	REM.	TGT12	1	1100	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	1	1145	6500
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	1	1190	7100
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	1	1255	8100
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	1	1110	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	1	1155	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	1	1195	7300
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	1	1250	8200
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REMINGTON	209P	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	1	1090	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	1	1150	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	1	1195	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	1	1260	8400
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB.	CB2100-12	1	1095	5300
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	1	1145	5800
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	1	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB2100-12	1	1255	7400
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	1	1110	5700
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	1	1155	6200
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	REM.	TGT12	1	1195	6600
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	REM.	TGT12	1	1255	7300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	1	1110	5700
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S0	1	1145	6300
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S0	1	1210	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S0	1	1250	8000
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WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	1	1105	6000
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	1	1150	6700
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	1	1200	7600
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	1	1250	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB2100-12	1	1110	5700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	1	1160	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB2100-12	1	1200	7000
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB2100-12	1	1260	8100
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	REM.	TGT12	1	1100	5900
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	REM.	TGT12	1	1145	6600
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	REM.	TGT12	1	1195	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	1	1245	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S0	1	1105	5900
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S0	1	1155	6700
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S0	1	1200	7300
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12S0	1	1245	7800
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FEDERAL	209A	PB	18.0	WIN.	WAA12SL	1	1110	6000
FEDERAL	209A	PB	19.5	WIN.	WAA12SL	1	1155	6600
FEDERAL	209A	PB	21.0	WIN.	WAA12SL	1	1205	7100
FEDERAL	209A	PB	22.5	WIN.	WAA12SL	1	1255	7600
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1100	4600
FEDERAL	209A	PB	21.5	CB.	CB1100-12	1	1150	5100
FEDERAL	209A	PB	23.0	CB.	CB1100-12	1	1205	5700
FEDERAL	209A	PB	24.0	CB.	CB1100-12	1	1255	6300
FEDERAL	209A	PB	19.5	REM.	TGT12	1	1105	5100
FEDERAL	209A	PB	20.5	REM.	TGT12	1	1140	5500
FEDERAL	209A	PB	22.0	REM.	TGT12	1	1195	6200
FEDERAL	209A	PB	24.0	REM.	TGT12	1	1260	6800
FEDERAL	209A	PB	19.5	FED.	12S3	1	1105	5400
FEDERAL	209A	PB	20.5	FED.	12S3	1	1145	5900
FEDERAL	209A	PB	22.0	FED.	12S3	1	1210	6700
FEDERAL	209A	PB	23.0	FED.	12S3	1	1260	7100
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REMINGTON	209P	PB	20.0	WIN.	WAA12SL	1	1095	4700
REMINGTON	209P	PB	21.5	WIN.	WAA12SL	1	1155	5300
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	1	1195	5800
REMINGTON	209P	PB	24.0	WIN.	WAA12SL	1	1260	6600
REMINGTON	209P	PB	21.0	CB.	CB1100-12	1	1095	3800
REMINGTON	209P	PB	22.0	CB.	CB1100-12	1	1140	4300
REMINGTON	209P	PB	23.5	CB.	CB1100-12	1	1200	5000
REMINGTON	209P	PB	25.0	CB.	CB1100-12	1	1255	5600

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
REMINGTON	209P	PB	20.5	REM.	TGT12	1	1090	4300
REMINGTON	209P	PB	22.0	REM.	TGT12	1	1160	5200
REMINGTON	209P	PB	23.0	REM.	TGT12	1	1205	5700
REMINGTON	209P	PB	24.0	REM.	TGT12	1	1250	6300
REMINGTON	209P	PB	20.0	FED.	12S3	1	1105	5200
REMINGTON	209P	PB	21.0	FED.	12S3	1	1150	5700
REMINGTON	209P	PB	22.5	FED.	12S3	1	1210	6600
REMINGTON	209P	PB	23.5	FED.	12S3	1	1250	7200
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WINCHESTER	209	PB	19.5	WIN.	WAA12SL	1	1090	4900
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	1	1150	5400
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	1	1205	6000
WINCHESTER	209	PB	24.0	WIN.	WAA12SL	1	1265	6700
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1100	4300
WINCHESTER	209	PB	21.5	CB.	CB1100-12	1	1145	4800
WINCHESTER	209	PB	23.0	CB.	CB1100-12	1	1205	5400
WINCHESTER	209	PB	24.5	CB.	CB1100-12	1	1260	6100
WINCHESTER	209	PB	20.0	REM.	TGT12	1	1110	5300
WINCHESTER	209	PB	21.0	REM.	TGT12	1	1155	5900
WINCHESTER	209	PB	22.0	REM.	TGT12	1	1205	6500
WINCHESTER	209	PB	23.5	REM.	TGT12	1	1255	7000
WINCHESTER	209	PB	19.5	FED.	12S3	1	1105	5100
WINCHESTER	209	PB	21.0	FED.	12S3	1	1155	5800
WINCHESTER	209	PB	22.5	FED.	12S3	1	1210	6500
WINCHESTER	209	PB	23.5	FED.	12S3	1	1250	6900
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FEDERAL	209A	SR7625	22.5	WIN.	WAA12SL	1	1105	4600
FEDERAL	209A	SR7625	23.5	WIN.	WAA12SL	1	1160	5200
FEDERAL	209A	SR7625	24.5	WIN.	WAA12SL	1	1210	5900
FEDERAL	209A	SR7625	25.5	WIN.	WAA12SL	1	1265	6600
FEDERAL	209A	SR7625	22.5	CB.	CB2100-12	1	1090	4200
FEDERAL	209A	SR7625	23.5	CB.	CB2100-12	1	1140	4700
FEDERAL	209A	SR7625	25.0	CB.	CB2100-12	1	1200	5300
FEDERAL	209A	SR7625	26.0	CB.	CB2100-12	1	1250	5800
FEDERAL	209A	SR7625	22.0	REM.	TGT12	1	1100	4200
FEDERAL	209A	SR7625	23.0	REM.	TGT12	1	1145	4800
FEDERAL	209A	SR7625	24.0	REM.	TGT12	1	1190	5500
FEDERAL	209A	SR7625	25.5	REM.	TGT12	1	1250	6200
FEDERAL	209A	SR7625	22.0	FED.	12S3	1	1090	4500
FEDERAL	209A	SR7625	23.5	FED.	12S3	1	1160	5400
FEDERAL	209A	SR7625	24.5	FED.	12S3	1	1210	6000
FEDERAL	209A	SR7625	25.5	FED.	12S3	1	1255	6600
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WINCHESTER	209	SR7625	22.5	WIN.	WAA12SL	1	1105	4600
WINCHESTER	209	SR7625	23.5	WIN.	WAA12SL	1	1150	4900
WINCHESTER	209	SR7625	25.0	WIN.	WAA12SL	1	1210	5300
WINCHESTER	209	SR7625	26.0	WIN.	WAA12SL	1	1250	5600
WINCHESTER	209	SR7625	22.0	CB.	CB2100-12	1	1095	4300
WINCHESTER	209	SR7625	23.5	CB.	CB2100-12	1	1145	4600
WINCHESTER	209	SR7625	25.0	CB.	CB2100-12	1	1195	4900
WINCHESTER	209	SR7625	26.5	CB.	CB2100-12	1	1245	5200
WINCHESTER	209	SR7625	22.5	REM.	TGT12	1	1105	4300
WINCHESTER	209	SR7625	23.5	REM.	TGT12	1	1145	4700
WINCHESTER	209	SR7625	25.0	REM.	TGT12	1	1205	5400
WINCHESTER	209	SR7625	26.0	REM.	TGT12	1	1245	5900
WINCHESTER	209	SR7625	21.5	FED.	12S3	1	1110	4700
WINCHESTER	209	SR7625	22.5	FED.	12S3	1	1150	5200
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1210	5900
WINCHESTER	209	SR7625	25.5	FED.	12S3	1	1255	6600
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SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1105	7700
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1150	8600
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1200	9500
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1260	10800
FEDERAL	209A	"HI-SKOR" 700-X	14.5	CB.	CB1100-12	1	1090	6600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1160	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1205	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1250	9600
FEDERAL	209A	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1100	7200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1150	8100
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1205	9100
FEDERAL	209A	"HI-SKOR" 700-X	17.5	REM.	TGT12	1	1245	10000
FEDERAL	209A	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1095	8000
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	10300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	11200
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REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1100	7300
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1145	8100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1195	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1255	10500
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1105	6500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1150	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1195	8000
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	1	1260	9400
REMINGTON	209P	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1090	6600
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7500
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1190	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1250	9500
REMINGTON	209P	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7400
REMINGTON	209P	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8300
REMINGTON	209P	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1205	9700
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10600
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WINCHESTER	209	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1110	7400
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	1	1160	8300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	1	1205	9300
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1250	10300
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1095	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1150	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1195	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1240	9200
WINCHESTER	209	"HI-SKOR" 700-X	15.0	REM.	TGT12	1	1110	7300
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1195	8700
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1255	9800
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1135	8700
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	10100
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1255	11100
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FEDERAL	209A	PB	18.0	WIN.	WAA12SL	1	1115	7000
FEDERAL	209A	PB	19.0	WIN.	WAA12SL	1	1150	7500
FEDERAL	209A	PB	20.5	WIN.	WAA12SL	1	1200	8200
FEDERAL	209A	PB	22.0	WIN.	WAA12SL	1	1255	8900
FEDERAL	209A	PB	18.5	CB.	CB1100-12	1	1095	5700
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1155	6600
FEDERAL	209A	PB	21.0	CB.	CB1100-12	1	1195	7200
FEDERAL	209A	PB	22.5	CB.	CB1100-12	1	1255	8000
FEDERAL	209A	PB	18.5	REM.	TGT12	1	1105	6200
FEDERAL	209A	PB	19.5	REM.	TGT12	1	1145	6700
FEDERAL	209A	PB	21.0	REM.	TGT12	1	1200	7400
FEDERAL	209A	PB	22.5	REM.	TGT12	1	1255	8200
FEDERAL	209A	PB	18.0	FED.	12S3	1	1100	6500
FEDERAL	209A	PB	19.0	FED.	12S3	1	1140	7200
FEDERAL	209A	PB	20.5	FED.	12S3	1	1200	8300
FEDERAL	209A	PB	22.0	FED.	12S3	1	1260	9300
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REMINGTON	209P	PB	18.0	WIN.	WAA12SL	1	1095	6500
REMINGTON	209P	PB	19.5	WIN.	WAA12SL	1	1150	7200
REMINGTON	209P	PB	20.5	WIN.	WAA12SL	1	1190	7700
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	1	1265	8700
REMINGTON	209P	PB	19.5	CB.	CB1100-12	1	1100	5100
REMINGTON	209P	PB	20.5	CB.	CB1100-12	1	1150	5700
REMINGTON	209P	PB	21.5	CB.	CB1100-12	1	1190	6200
REMINGTON	209P	PB	23.0	CB.	CB1100-12	1	1250	7200
REMINGTON	209P	PB	19.0	REM.	TGT12	1	1110	5700
REMINGTON	209P	PB	20.0	REM.	TGT12	1	1150	6300
REMINGTON	209P	PB	21.5	REM.	TGT12	1	1210	7100
REMINGTON	209P	PB	22.5	REM.	TGT12	1	1250	7600
REMINGTON	209P	PB	18.5	FED.	12S3	1	1095	6100
REMINGTON	209P	PB	20.0	FED.	12S3	1	1155	7100
REMINGTON	209P	PB	21.0	FED.	12S3	1	1200	7800
REMINGTON	209P	PB	22.5	FED.	12S3	1	1260	8500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	PB	18.5	WIN.	WAA12	1	1100	5900
WINCHESTER	209	PB	19.5	WIN.	WAA12	1	1140	6500
WINCHESTER	209	PB	21.0	WIN.	WAA12	1	1195	7300
WINCHESTER	209	PB	22.5	WIN.	WAA12	1	1255	8100
WINCHESTER	209	PB	19.5	CB.	CB1100-12	1	1105	5400
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1150	5900
WINCHESTER	209	PB	21.5	CB.	CB1100-12	1	1195	6400
WINCHESTER	209	PB	23.0	CB.	CB1100-12	1	1250	7100
WINCHESTER	209	PB	19.0	REM.	TGT12	1	1100	5700
WINCHESTER	209	PB	20.0	REM.	TGT12	1	1145	6300
WINCHESTER	209	PB	21.0	REM.	TGT12	1	1190	6800
WINCHESTER	209	PB	22.5	REM.	TGT12	1	1255	7700
WINCHESTER	209	PB	19.0	FED.	12S3	1	1110	6300
WINCHESTER	209	PB	20.0	FED.	12S3	1	1150	7000
WINCHESTER	209	PB	21.0	FED.	12S3	1	1195	7700
WINCHESTER	209	PB	22.5	FED.	12S3	1	1255	8700
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FEDERAL	209A	SR7625	19.0	WIN.	WAA12SL	1	1095	4200
FEDERAL	209A	SR7625	20.5	WIN.	WAA12SL	1	1150	5700
FEDERAL	209A	SR7625	22.0	WIN.	WAA12SL	1	1205	7200
FEDERAL	209A	SR7625	23.5	WIN.	WAA12SL	1	1260	8500
FEDERAL	209A	SR7625	20.5	CB.	CB1100-12	1	1090	5000
FEDERAL	209A	SR7625	22.0	CB.	CB1100-12	1	1150	5900
FEDERAL	209A	SR7625	23.0	CB.	CB1100-12	1	1195	6500
FEDERAL	209A	SR7625	24.5	CB.	CB1100-12	1	1255	7400
FEDERAL	209A	SR7625	20.5	REM.	TGT12	1	1095	5300
FEDERAL	209A	SR7625	22.0	REM.	TGT12	1	1160	6300
FEDERAL	209A	SR7625	23.0	REM.	TGT12	1	1200	6900
FEDERAL	209A	SR7625	24.0	REM.	TGT12	1	1245	7400
FEDERAL	209A	SR7625	20.0	FED.	12S3	1	1095	6100
FEDERAL	209A	SR7625	21.0	FED.	12S3	1	1140	6700
FEDERAL	209A	SR7625	22.5	FED.	12S3	1	1205	7600
FEDERAL	209A	SR7625	23.5	FED.	12S3	1	1250	8300
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REMINGTON	209P	SR7625	21.0	WIN.	WAA12SL	1	1100	5800
REMINGTON	209P	SR7625	22.0	WIN.	WAA12SL	1	1150	6200
REMINGTON	209P	SR7625	23.0	WIN.	WAA12SL	1	1195	6800
REMINGTON	209P	SR7625	24.5	WIN.	WAA12SL	1	1260	8100
REMINGTON	209P	SR7625	22.0	CB.	CB1100-12	1	1110	4700
REMINGTON	209P	SR7625	23.0	CB.	CB1100-12	1	1155	5100
REMINGTON	209P	SR7625	24.0	CB.	CB1100-12	1	1200	5500
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	1	1250	5900
REMINGTON	209P	SR7625	21.5	REM.	TGT12	1	1110	5100
REMINGTON	209P	SR7625	22.5	REM.	TGT12	1	1155	5700
REMINGTON	209P	SR7625	23.5	REM.	TGT12	1	1195	6200
REMINGTON	209P	SR7625	25.0	REM.	TGT12	1	1255	7000
REMINGTON	209P	SR7625	20.0	FED.	12S3	1	1105	6000
REMINGTON	209P	SR7625	21.0	FED.	12S3	1	1140	6300
REMINGTON	209P	SR7625	22.5	FED.	12S3	1	1190	6900
REMINGTON	209P	SR7625	24.0	FED.	12S3	1	1260	7800
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WINCHESTER	209	SR7625	20.0	WIN.	WAA12SL	1	1105	5700
WINCHESTER	209	SR7625	21.5	WIN.	WAA12SL	1	1150	6100
WINCHESTER	209	SR7625	23.0	WIN.	WAA12SL	1	1200	6700
WINCHESTER	209	SR7625	24.0	WIN.	WAA12SL	1	1250	7200
WINCHESTER	209	SR7625	21.0	CB.	CB1100-12	1	1090	4600
WINCHESTER	209	SR7625	22.5	CB.	CB1100-12	1	1150	5100
WINCHESTER	209	SR7625	24.0	CB.	CB1100-12	1	1195	5500
WINCHESTER	209	SR7625	25.5	CB.	CB1100-12	1	1250	5900
WINCHESTER	209	SR7625	21.0	REM.	TGT12	1	1105	5300
WINCHESTER	209	SR7625	22.0	REM.	TGT12	1	1145	5700
WINCHESTER	209	SR7625	23.0	REM.	TGT12	1	1190	6300
WINCHESTER	209	SR7625	24.5	REM.	TGT12	1	1260	7100
WINCHESTER	209	SR7625	21.0	FED.	12S3	1	1100	5300
WINCHESTER	209	SR7625	22.0	FED.	12S3	1	1145	6000
WINCHESTER	209	SR7625	23.0	FED.	12S3	1	1195	6800
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1250	7900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2¾ INCH 1 OUNCE LOADS (Cont'd)

MFR.	PRIMER		IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION				
SHELL: WINCHESTER AA									
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1110	7300	
FEDERAL	209A	"HI-SKOR" 700X	16.0	WIN.	WAA12SL	1	1155	8000	
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	1	1195	8700	
FEDERAL	209A	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	1	1255	9700	
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1100	6300	
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1145	7000	
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB.	CB1100-12	1	1205	8000	
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	1	1250	8700	
FEDERAL	209A	"HI-SKOR" 700-X	15.0	REM.	TGT12	1	1110	6900	
FEDERAL	209A	"HI-SKOR" 700-X	16.0	REM.	TGT12	1	1155	7500	
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM.	TGT12	1	1195	8200	
FEDERAL	209A	"HI-SKOR" 700-X	18.5	REM.	TGT12	1	1260	9400	
FEDERAL	209A	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7900	
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8700	
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	9900	
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10700	
REMINGTON	209P	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1095	6400	
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1155	7000	
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1210	7600	
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WIN.	WAA12SL	1	1245	8000	
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1110	5000	
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1150	5600	
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1190	6100	
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB1100-12	1	1250	7000	
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1105	5800	
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1140	6200	
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1205	7100	
REMINGTON	209P	"HI-SKOR" 700-X	19.0	REM.	TGT12	1	1250	7700	
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S3	1	1105	7100	
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	1	1160	7900	
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	1	1200	8600	
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S3	1	1250	9300	
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1105	7500	
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1145	8200	
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1195	9000	
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1250	10100	
WINCHESTER	209	"HI-SKOR" 700-X	14.5	CB.	CB1100-12	1	1090	6500	
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1100-12	1	1140	7400	
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1205	8500	
WINCHESTER	209	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1245	9300	
WINCHESTER	209	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1095	6700	
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7400	
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1190	8200	
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1250	9400	
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1100	8200	
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8800	
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1205	9700	
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10500	
FEDERAL	209A	PB	18.5	WIN.	WAA12	1	1110	6200	
FEDERAL	209A	PB	19.5	WIN.	WAA12	1	1150	6900	
FEDERAL	209A	PB	21.0	WIN.	WAA12	1	1210	7900	
FEDERAL	209A	PB	22.5	WIN.	WAA12	1	1260	8600	
FEDERAL	209A	PB	18.5	CB.	CB1100-12	1	1095	5200	
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1145	5800	
FEDERAL	209A	PB	21.5	CB.	CB1100-12	1	1200	6400	
FEDERAL	209A	PB	23.0	CB.	CB1100-12	1	1260	7200	
FEDERAL	209A	PB	18.5	REM.	FIG8	1	1095	5300	
FEDERAL	209A	PB	20.0	REM.	FIG8	1	1150	6100	
FEDERAL	209A	PB	21.0	REM.	FIG8	1	1190	6600	
FEDERAL	209A	PB	22.5	REM.	FIG8	1	1250	7400	
FEDERAL	209A	PB	18.0	FED.	12S3	1	1095	6100	
FEDERAL	209A	PB	19.5	FED.	12S3	1	1155	7200	
FEDERAL	209A	PB	20.5	FED.	12S3	1	1195	7900	
FEDERAL	209A	PB	22.0	FED.	12S3	1	1255	8900	
REMINGTON	209P	PB	19.0	WIN.	WAA12	1	1110	5700	
REMINGTON	209P	PB	20.0	WIN.	WAA12	1	1145	6200	
REMINGTON	209P	PB	21.5	WIN.	WAA12	1	1205	7100	
REMINGTON	209P	PB	22.5	WIN.	WAA12	1	1250	7700	
REMINGTON	209P	PB	19.0	CB.	CB1100-12	1	1100	4600	
REMINGTON	209P	PB	20.5	CB.	CB1100-12	1	1150	5100	
REMINGTON	209P	PB	22.0	CB.	CB1100-12	1	1200	5700	
REMINGTON	209P	PB	23.5	CB.	CB1100-12	1	1260	6500	

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: WINCHESTER AA								
REMINGTON	209P	PB	19.0	REM.	FIG8	1	1085	4500
REMINGTON	209P	PB	21.0	REM.	FIG8	1	1150	5300
REMINGTON	209P	PB	22.0	REM.	FIG8	1	1190	5700
REMINGTON	209P	PB	23.5	REM.	FIG8	1	1255	6700
REMINGTON	209P	PB	19.0	FED.	12S3	1	1095	5100
REMINGTON	209P	PB	20.5	FED.	12S3	1	1150	6000
REMINGTON	209P	PB	22.0	FED.	12S3	1	1205	6900
REMINGTON	209P	PB	23.5	FED.	12S3	1	1260	7600
WINCHESTER	209	PB	18.5	WIN.	WAA12	1	1105	5900
WINCHESTER	209	PB	20.0	WIN.	WAA12	1	1150	6500
WINCHESTER	209	PB	21.5	WIN.	WAA12	1	1200	7100
WINCHESTER	209	PB	23.0	WIN.	WAA12	1	1260	7900
WINCHESTER	209	PB	19.0	CB.	CB1100-12	1	1110	5100
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1140	5600
WINCHESTER	209	PB	22.0	CB.	CB1100-12	1	1190	6100
WINCHESTER	209	PB	23.5	CB.	CB1100-12	1	1255	6600
WINCHESTER	209	PB	18.0	REM.	TGT12	1	1095	4800
WINCHESTER	209	PB	19.5	REM.	TGT12	1	1140	5600
WINCHESTER	209	PB	21.5	REM.	TGT12	1	1200	6700
WINCHESTER	209	PB	23.0	REM.	TGT12	1	1260	7500
WINCHESTER	209	PB	19.0	REM.	FIG8	1	1100	5400
WINCHESTER	209	PB	20.0	REM.	FIG8	1	1140	5800
WINCHESTER	209	PB	21.5	REM.	FIG8	1	1195	6500
WINCHESTER	209	PB	23.0	REM.	FIG8	1	1255	7200
WINCHESTER	209	PB	19.0	FED.	12S3	1	1105	5900
WINCHESTER	209	PB	20.5	FED.	12S3	1	1160	6800
WINCHESTER	209	PB	21.5	FED.	12S3	1	1200	7400
WINCHESTER	209	PB	23.0	FED.	12S3	1	1250	8100
FEDERAL	209A	SR7625	20.0	WIN.	WAA12	1	1095	6000
FEDERAL	209A	SR7625	21.5	WIN.	WAA12	1	1145	6300
FEDERAL	209A	SR7625	23.5	WIN.	WAA12	1	1205	6900
FEDERAL	209A	SR7625	25.0	WIN.	WAA12	1	1260	7400
FEDERAL	209A	SR7625	21.0	CB.	CB1118-12	1	1100	4600
FEDERAL	209A	SR7625	22.0	CB.	CB1118-12	1	1145	5200
FEDERAL	209A	SR7625	23.5	CB.	CB1118-12	1	1210	6200
FEDERAL	209A	SR7625	24.5	CB.	CB1118-12	1	1250	6700
FEDERAL	209A	SR7625	21.5	REM.	RXP12	1	1110	5000
FEDERAL	209A	SR7625	22.5	REM.	RXP12	1	1150	5400
FEDERAL	209A	SR7625	23.5	REM.	RXP12	1	1190	5900
FEDERAL	209A	SR7625	25.0	REM.	RXP12	1	1250	6700
FEDERAL	209A	SR7625	20.5	FED.	12S3	1	1110	5400
FEDERAL	209A	SR7625	21.5	FED.	12S3	1	1145	5900
FEDERAL	209A	SR7625	23.0	FED.	12S3	1	1200	6600
FEDERAL	209A	SR7625	24.5	FED.	12S3	1	1255	7300
REMINGTON	209P	SR7625	21.5	WIN.	WAA12	1	1105	5000
REMINGTON	209P	SR7625	22.5	WIN.	WAA12	1	1150	5700
REMINGTON	209P	SR7625	23.5	WIN.	WAA12	1	1195	6200
REMINGTON	209P	SR7625	25.0	WIN.	WAA12	1	1255	7100
REMINGTON	209P	SR7625	22.5	CB.	CB1118-12	1	1110	4400
REMINGTON	209P	SR7625	23.5	CB.	CB1118-12	1	1145	4700
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	1	1190	5300
REMINGTON	209P	SR7625	26.0	CB.	CB1118-12	1	1265	6300
REMINGTON	209P	SR7625	22.5	REM.	RXP12	1	1100	4200
REMINGTON	209P	SR7625	23.5	REM.	RXP12	1	1145	4700
REMINGTON	209P	SR7625	24.5	REM.	RXP12	1	1190	5200
REMINGTON	209P	SR7625	25.5	REM.	RXP12	1	1245	6000
REMINGTON	209P	SR7625	22.0	FED.	12S3	1	1095	4500
REMINGTON	209P	SR7625	23.5	FED.	12S3	1	1160	5300
REMINGTON	209P	SR7625	24.5	FED.	12S3	1	1210	6000
REMINGTON	209P	SR7625	25.5	FED.	12S3	1	1265	6900
WINCHESTER	209	SR7625	21.5	WIN.	WAA12	1	1095	4900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12	1	1150	5500
WINCHESTER	209	SR7625	24.0	WIN.	WAA12	1	1190	5800
WINCHESTER	209	SR7625	25.5	WIN.	WAA12	1	1255	6600
WINCHESTER	209	SR7625	22.0	CB.	CB1118-12	1	1095	4500
WINCHESTER	209	SR7625	23.5	CB.	CB1118-12	1	1150	5100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2¾ INCH 1 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	SR7625	25.0	CB.	CB1118-12	1	1210	5800
WINCHESTER	209	SR7625	26.0	CB.	CB1118-12	1	1250	6200
WINCHESTER	209	SR7625	22.0	REM.	RXP12	1	1095	4600
WINCHESTER	209	SR7625	23.5	REM.	RXP12	1	1140	5000
WINCHESTER	209	SR7625	25.0	REM.	RXP12	1	1200	5700
WINCHESTER	209	SR7625	26.0	REM.	RXP12	1	1245	6200
WINCHESTER	209	SR7625	22.0	FED.	12S3	1	1105	5300
WINCHESTER	209	SR7625	23.0	FED.	12S3	1	1155	5900
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1205	6500
WINCHESTER	209	SR7625	25.0	FED.	12S3	1	1250	7100

12 GAUGE 2¾ INCH 1 1/8 OUNCE LOADS

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	11/8	1110	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	11/8	1150	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	11/8	1190	9500
FEDERAL	209A	"HI-SKOR" 700-X	19.5	WIN.	WAA12SL	11/8	1250	10600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1110	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1155	8600
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB2118-12	11/8	1195	9500
FEDERAL	209A	"HI-SKOR" 700-X	19.5	CB.	CB2118-12	11/8	1260	10800
FEDERAL	209A	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1100	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM.	TGT12	11/8	1145	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.0	REM.	TGT12	11/8	1190	9100
FEDERAL	209A	"HI-SKOR" 700-X	19.5	REM.	TGT12	11/8	1250	10500
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1105	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	11/8	1145	8600
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S3	11/8	1205	9500
FEDERAL	209A	"HI-SKOR" 700-X	20.0	FED.	12S3	11/8	1260	10400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	11/8	1110	7500
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WIN.	WAA12SL	11/8	1155	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	11/8	1195	8700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	WIN.	WAA12SL	11/8	1255	9500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1095	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1140	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB2118-12	11/8	1195	8700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	CB.	CB2118-12	11/8	1250	9600
REMINGTON	209P	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1090	6900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	REM.	TGT12	11/8	1150	7800
REMINGTON	209P	"HI-SKOR" 700-X	18.5	REM.	TGT12	11/8	1190	8500
REMINGTON	209P	"HI-SKOR" 700-X	20.0	REM.	TGT12	11/8	1250	9500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1095	7500
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1155	8300
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S3	11/8	1190	8900
REMINGTON	209P	"HI-SKOR" 700-X	20.0	FED.	12S3	11/8	1250	9800
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	11/8	1100	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	11/8	1145	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	11/8	1205	9100
WINCHESTER	209	"HI-SKOR" 700-X	19.5	WIN.	WAA12SL	11/8	1245	9900
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1100	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1145	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2118-12	11/8	1205	9200
WINCHESTER	209	"HI-SKOR" 700-X	19.5	CB.	CB2118-12	11/8	1245	10000
WINCHESTER	209	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1095	6800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	REM.	TGT12	11/8	1140	7500
WINCHESTER	209	"HI-SKOR" 700-X	18.5	REM.	TGT12	11/8	1195	8600
WINCHESTER	209	"HI-SKOR" 700-X	20.0	REM.	TGT12	11/8	1255	9600
WINCHESTER	209	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1105	7800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	11/8	1150	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1190	9400
WINCHESTER	209	"HI-SKOR" 700-X	19.5	FED.	12S3	11/8	1255	10700
FEDERAL	209A	PB	19.5	WIN.	WAA12	11/8	1095	6100
FEDERAL	209A	PB	21.0	WIN.	WAA12	11/8	1150	7000
FEDERAL	209A	PB	22.5	WIN.	WAA12	11/8	1205	7900
FEDERAL	209A	PB	24.0	WIN.	WAA12	11/8	1260	8800
FEDERAL	209A	PB	20.5	WTW.	WINDJAMMER	11/8	1105	5900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	PB	21.5	WTW.	WINDJAMMER	11/8	1145	6400
FEDERAL	209A	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7200
FEDERAL	209A	PB	24.0	WTW.	WINDJAMMER	11/8	1250	7800
FEDERAL	209A	PB	20.0	CB.	CB1118-12	11/8	1105	6000
FEDERAL	209A	PB	21.0	CB.	CB1118-12	11/8	1140	6400
FEDERAL	209A	PB	22.5	CB.	CB1118-12	11/8	1195	7100
FEDERAL	209A	PB	24.0	CB.	CB1118-12	11/8	1250	8000
FEDERAL	209A	PB	20.0	REM.	FIG8	11/8	1095	6000
FEDERAL	209A	PB	21.5	REM.	FIG8	11/8	1145	6600
FEDERAL	209A	PB	23.0	REM.	FIG8	11/8	1200	7300
FEDERAL	209A	PB	24.5	REM.	FIG8	11/8	1255	8000
FEDERAL	209A	PB	19.5	FED.	12S3	11/8	1095	6600
FEDERAL	209A	PB	21.0	FED.	12S3	11/8	1140	7100
FEDERAL	209A	PB	22.5	FED.	12S3	11/8	1190	7600
FEDERAL	209A	PB	24.0	FED.	12S3	11/8	1255	8700
REMINGTON	209P	PB	20.5	WIN.	WAA12SL	11/8	1095	5700
REMINGTON	209P	PB	21.5	WIN.	WAA12SL	11/8	1140	6400
REMINGTON	209P	PB	23.0	WIN.	WAA12SL	11/8	1195	7300
REMINGTON	209P	PB	25.0	WIN.	WAA12SL	11/8	1260	8000
REMINGTON	209P	PB	21.0	WTW.	WINDJAMMER	11/8	1095	5000
REMINGTON	209P	PB	22.5	WTW.	WINDJAMMER	11/8	1155	5900
REMINGTON	209P	PB	24.0	WTW.	WINDJAMMER	11/8	1205	6400
REMINGTON	209P	PB	25.5	WTW.	WINDJAMMER	11/8	1250	6900
REMINGTON	209P	PB	21.0	CB.	CB1118-12	11/8	1105	5800
REMINGTON	209P	PB	22.5	CB.	CB1118-12	11/8	1150	6300
REMINGTON	209P	PB	23.5	CB.	CB1118-12	11/8	1200	7000
REMINGTON	209P	PB	25.0	CB.	CB1118-12	11/8	1265	8000
REMINGTON	209P	PB	21.0	REM.	FIG8	11/8	1100	5500
REMINGTON	209P	PB	22.5	REM.	FIG8	11/8	1155	6100
REMINGTON	209P	PB	23.5	REM.	FIG8	11/8	1190	6600
REMINGTON	209P	PB	25.0	REM.	FIG8	11/8	1245	7500
REMINGTON	209P	PB	20.5	FED.	12S3	11/8	1100	6000
REMINGTON	209P	PB	22.0	FED.	12S3	11/8	1155	6500
REMINGTON	209P	PB	23.0	FED.	12S3	11/8	1190	7000
REMINGTON	209P	PB	25.0	FED.	12S3	11/8	1265	8400
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	11/8	1100	6000
WINCHESTER	209	PB	22.0	WIN.	WAA12SL	11/8	1140	6600
WINCHESTER	209	PB	23.5	WIN.	WAA12SL	11/8	1200	7500
WINCHESTER	209	PB	25.0	WIN.	WAA12SL	11/8	1255	8200
WINCHESTER	209	PB	21.0	WTW.	WINDJAMMER	11/8	1105	5500
WINCHESTER	209	PB	22.0	WTW.	WINDJAMMER	11/8	1145	6000
WINCHESTER	209	PB	23.5	WTW.	WINDJAMMER	11/8	1205	7000
WINCHESTER	209	PB	24.5	WTW.	WINDJAMMER	11/8	1250	7700
WINCHESTER	209	PB	20.5	CB.	CB1118-12	11/8	1100	5800
WINCHESTER	209	PB	22.0	CB.	CB1118-12	11/8	1150	6400
WINCHESTER	209	PB	23.5	CB.	CB1118-12	11/8	1200	7000
WINCHESTER	209	PB	25.0	CB.	CB1118-12	11/8	1245	7600
WINCHESTER	209	PB	21.0	REM.	FIG8	11/8	1105	5900
WINCHESTER	209	PB	22.0	REM.	FIG8	11/8	1140	6300
WINCHESTER	209	PB	23.5	REM.	FIG8	11/8	1200	7000
WINCHESTER	209	PB	25.0	REM.	FIG8	11/8	1255	7800
WINCHESTER	209	PB	20.5	FED.	12S3	11/8	1090	6100
WINCHESTER	209	PB	22.0	FED.	12S3	11/8	1150	7000
WINCHESTER	209	PB	23.0	FED.	12S3	11/8	1190	7600
WINCHESTER	209	PB	24.5	FED.	12S3	11/8	1250	8400
FEDERAL	209A	SR7625	21.5	WIN.	WAA12	11/8	1100	6100
FEDERAL	209A	SR7625	23.0	WIN.	WAA12	11/8	1155	6700
FEDERAL	209A	SR7625	24.5	WIN.	WAA12	11/8	1200	7400
FEDERAL	209A	SR7625	26.0	WIN.	WAA12	11/8	1265	8200
FEDERAL	209A	SR7625	23.0	WTW.	WINDJAMMER	11/8	1105	5100
FEDERAL	209A	SR7625	24.0	WTW.	WINDJAMMER	11/8	1140	5600
FEDERAL	209A	SR7625	25.5	WTW.	WINDJAMMER	11/8	1200	6400
FEDERAL	209A	SR7625	27.0	WTW.	WINDJAMMER	11/8	1265	7400

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions; to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	SR7625	22.0	CB.	CB2118-12	11/8	1095	5700
FEDERAL	209A	SR7625	23.5	CB.	CB2118-12	11/8	1150	6400
FEDERAL	209A	SR7625	24.5	CB.	CB2118-12	11/8	1195	6800
FEDERAL	209A	SR7625	26.0	CB.	CB2118-12	11/8	1250	7700
FEDERAL	209A	SR7625	22.5	REM.	FIG8	11/8	1090	5300
FEDERAL	209A	SR7625	24.0	REM.	FIG8	11/8	1140	5700
FEDERAL	209A	SR7625	25.5	REM.	FIG8	11/8	1205	6600
FEDERAL	209A	SR7625	26.5	REM.	FIG8	11/8	1245	7100
FEDERAL	209A	SR7625	22.0	FED.	12S3	11/8	1090	5600
FEDERAL	209A	SR7625	23.5	FED.	12S3	11/8	1150	6400
FEDERAL	209A	SR7625	24.5	FED.	12S3	11/8	1190	6900
FEDERAL	209A	SR7625	26.5	FED.	12S3	11/8	1260	7700
REMINGTON	209P	SR7625	22.0	WIN.	WAA12	11/8	1100	5600
REMINGTON	209P	SR7625	23.5	WIN.	WAA12	11/8	1145	6000
REMINGTON	209P	SR7625	25.5	WIN.	WAA12	11/8	1205	6600
REMINGTON	209P	SR7625	27.5	WIN.	WAA12	11/8	1255	7200
REMINGTON	209P	SR7625	24.0	WTW.	WINDJAMMER	11/8	1095	4300
REMINGTON	209P	SR7625	25.5	WTW.	WINDJAMMER	11/8	1140	4700
REMINGTON	209P	SR7625	27.0	WTW.	WINDJAMMER	11/8	1200	5400
REMINGTON	209P	SR7625	28.5	WTW.	WINDJAMMER	11/8	1265	6100
REMINGTON	209P	SR7625	22.5	CB.	CB2118-12	11/8	1105	5300
REMINGTON	209P	SR7625	24.5	CB.	CB2118-12	11/8	1150	5900
REMINGTON	209P	SR7625	26.0	CB.	CB2118-12	11/8	1205	6600
REMINGTON	209P	SR7625	27.0	CB.	CB2118-12	11/8	1250	7300
REMINGTON	209P	SR7625	24.0	REM.	FIG8	11/8	1100	5000
REMINGTON	209P	SR7625	25.5	REM.	FIG8	11/8	1155	5700
REMINGTON	209P	SR7625	27.0	REM.	FIG8	11/8	1205	6000
REMINGTON	209P	SR7625	28.5	REM.	FIG8	11/8	1260	6300
REMINGTON	209P	SR7625	23.0	FED.	12S3	11/8	1095	5200
REMINGTON	209P	SR7625	24.5	FED.	12S3	11/8	1155	6000
REMINGTON	209P	SR7625	25.5	FED.	12S3	11/8	1195	6400
REMINGTON	209P	SR7625	27.0	FED.	12S3	11/8	1255	7400
WINCHESTER	209	SR7625	22.5	WIN.	WAA12	11/8	1100	5600
WINCHESTER	209	SR7625	24.0	WIN.	WAA12	11/8	1155	6200
WINCHESTER	209	SR7625	25.0	WIN.	WAA12	11/8	1190	6600
WINCHESTER	209	SR7625	26.5	WIN.	WAA12	11/8	1250	7400
WINCHESTER	209	SR7625	23.0	WTW.	WINDJAMMER	11/8	1095	4900
WINCHESTER	209	SR7625	24.5	WTW.	WINDJAMMER	11/8	1140	5400
WINCHESTER	209	SR7625	26.0	WTW.	WINDJAMMER	11/8	1200	6200
WINCHESTER	209	SR7625	27.0	WTW.	WINDJAMMER	11/8	1245	6900
WINCHESTER	209	SR7625	22.5	CB.	CB2118-12	11/8	1095	5400
WINCHESTER	209	SR7625	24.0	CB.	CB2118-12	11/8	1150	6000
WINCHESTER	209	SR7625	25.5	CB.	CB2118-12	11/8	1200	6700
WINCHESTER	209	SR7625	27.0	CB.	CB2118-12	11/8	1250	7300
WINCHESTER	209	SR7625	23.0	REM.	FIG8	11/8	1095	5200
WINCHESTER	209	SR7625	24.5	REM.	FIG8	11/8	1150	5800
WINCHESTER	209	SR7625	25.5	REM.	FIG8	11/8	1190	6300
WINCHESTER	209	SR7625	27.0	REM.	FIG8	11/8	1250	7100
WINCHESTER	209	SR7625	23.0	FED.	12S3	11/8	1100	5400
WINCHESTER	209	SR7625	24.5	FED.	12S3	11/8	1155	6200
WINCHESTER	209	SR7625	25.5	FED.	12S3	11/8	1195	6700
WINCHESTER	209	SR7625	27.0	FED.	12S3	11/8	1255	7500
CCI	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1105	5200
CCI	209	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1145	5600
CCI	209	"HI-SKOR" 800-X	24.0	WIN.	WAA12	11/8	1200	6300
CCI	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	11/8	1265	7100
CCI	209	"HI-SKOR" 800-X	22.5	WTW.	WINDJAMMER	11/8	1100	4200
CCI	209	"HI-SKOR" 800-X	23.5	WTW.	WINDJAMMER	11/8	1145	4800
CCI	209	"HI-SKOR" 800-X	25.0	WTW.	WINDJAMMER	11/8	1205	5700
CCI	209	"HI-SKOR" 800-X	26.0	WTW.	WINDJAMMER	11/8	1250	6300
CCI	209	"HI-SKOR" 800-X	21.5	CB	CB2118-12	11/8	1095	5000
CCI	209	"HI-SKOR" 800-X	23.0	CB	CB2118-12	11/8	1145	5500
CCI	209	"HI-SKOR" 800-X	24.5	CB	CB2118-12	11/8	1205	6200
CCI	209	"HI-SKOR" 800-X	26.0	CB	CB2118-12	11/8	1265	6800
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG 8	11/8	1105	5500
CCI	209	"HI-SKOR" 800-X	22.5	REM.	FIG 8	11/8	1150	5900
CCI	209	"HI-SKOR" 800-X	24.0	REM.	FIG 8	11/8	1200	6300
CCI	209	"HI-SKOR" 800-X	26.0	REM.	FIG 8	11/8	1260	6900
CCI	209	"HI-SKOR" 800-X	21.0	FED.	12S3	11/8	1095	5800
CCI	209	"HI-SKOR" 800-X	22.5	FED.	12S3	11/8	1155	6400
CCI	209	"HI-SKOR" 800-X	24.0	FED.	12S3	11/8	1200	6800
CCI	209	"HI-SKOR" 800-X	26.0	FED.	12S3	11/8	1260	7300

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1100	5800
FEDERAL	209A	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1140	6300
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1195	7000
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WIN.	WAA12	11/8	1255	7700
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW.	WINDJAMMER	11/8	1100	4900
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW.	WINDJAMMER	11/8	1145	5400
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WTW.	WINDJAMMER	11/8	1190	5900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WTW.	WINDJAMMER	11/8	1260	6700
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB.	CB2118-12	11/8	1090	5500
FEDERAL	209A	"HI-SKOR" 800-X	22.5	CB.	CB2118-12	11/8	1150	6200
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB.	CB2118-12	11/8	1195	6700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	CB.	CB2118-12	11/8	1250	7400
FEDERAL	209A	"HI-SKOR" 800-X	21.0	REM.	FIG8	11/8	1100	5400
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	FIG8	11/8	1155	6000
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	FIG8	11/8	1205	6600
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	FIG8	11/8	1255	7100
FEDERAL	209A	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1090	5700
FEDERAL	209A	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1155	6400
FEDERAL	209A	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1195	6900
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S3	11/8	1265	7700
SHELL: WINCHESTER								
WINCHESTER	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1100	5800
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1140	6300
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1195	7000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	WIN.	WAA12	11/8	1265	7700
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WTW.	WINDJAMMER	11/8	1105	4900
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WTW.	WINDJAMMER	11/8	1150	5400
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WTW.	WINDJAMMER	11/8	1190	5900
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WTW.	WINDJAMMER	11/8	1255	6700
WINCHESTER	209	"HI-SKOR" 800-X	20.5	CB.	CB2118-12	11/8	1095	5500
WINCHESTER	209	"HI-SKOR" 800-X	22.0	CB.	CB2118-12	11/8	1145	6000
WINCHESTER	209	"HI-SKOR" 800-X	23.5	CB.	CB2118-12	11/8	1200	6700
WINCHESTER	209	"HI-SKOR" 800-X	25.0	CB.	CB2118-12	11/8	1260	7400
WINCHESTER	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	11/8	1100	5400
WINCHESTER	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1140	5900
WINCHESTER	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1200	6500
WINCHESTER	209	"HI-SKOR" 800-X	25.0	REM.	FIG8	11/8	1255	7100
WINCHESTER	209	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1095	5700
WINCHESTER	209	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1155	6300
WINCHESTER	209	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1195	6800
WINCHESTER	209	"HI-SKOR" 800-X	24.5	FED.	12S3	11/8	1250	7500
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1100	9500
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1160	10900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1110	8400
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1155	9500
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1200	10400
FEDERAL	209A	"HI-SKOR" 700-X	18.5	WTW.	WINDJAMMER	11/8	1240	11100
FEDERAL	209A	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1110	8500
FEDERAL	209A	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1160	9700
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1200	10800
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1105	8900
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1150	10000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	REM.	FIG8	11/8	1195	11000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S3	11/8	1095	9300
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1135	10200
FEDERAL	209A	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1200	11500
SHELL: REMINGTON								
REMINGTON	209P	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1090	8500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	WIN.	WAA12	11/8	1140	9600
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1205	11200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1090	7600
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1135	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WTW.	WINDJAMMER	11/8	1200	9600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1245	10500
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1110	8000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1155	8900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1195	9800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1250	11100
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1095	8100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1140	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10400
REMINGTON	209P	"HI-SKOR" 700-X	19.0	REM.	FIG8	11/8	1250	11300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S3	11/8	1095	8900
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1150	10200
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1195	11100
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WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1105	9300
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1145	10200
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1190	11200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1100	8000
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1150	8900
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1190	9800
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1255	11100
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1095	7700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1145	8700
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1190	9800
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1250	11400
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1095	8500
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1140	9400
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9000
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1145	9800
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1190	10900
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FEDERAL	209A	PB	18.5	WIN.	WAA12	11/8	1100	8200
FEDERAL	209A	PB	20.0	WIN.	WAA12	11/8	1155	9200
FEDERAL	209A	PB	21.0	WIN.	WAA12	11/8	1190	9900
FEDERAL	209A	PB	23.0	WIN.	WAA12	11/8	1260	11000
FEDERAL	209A	PB	19.5	WTW.	WINDJAMMER	11/8	1100	6800
FEDERAL	209A	PB	20.5	WTW.	WINDJAMMER	11/8	1145	7500
FEDERAL	209A	PB	22.0	WTW.	WINDJAMMER	11/8	1200	8500
FEDERAL	209A	PB	23.5	WTW.	WINDJAMMER	11/8	1260	9500
FEDERAL	209A	PB	19.0	CB.	CB1118-12	11/8	1100	7300
FEDERAL	209A	PB	20.5	CB.	CB1118-12	11/8	1150	7900
FEDERAL	209A	PB	22.0	CB.	CB1118-12	11/8	1205	8700
FEDERAL	209A	PB	23.5	CB.	CB1118-12	11/8	1260	9500
FEDERAL	209A	PB	19.5	REM.	FIG8	11/8	1110	7500
FEDERAL	209A	PB	20.5	REM.	FIG8	11/8	1150	8100
FEDERAL	209A	PB	22.0	REM.	FIG8	11/8	1200	8900
FEDERAL	209A	PB	23.5	REM.	FIG8	11/8	1255	9600
FEDERAL	209A	PB	18.5	FED.	12S4	11/8	1105	8400
FEDERAL	209A	PB	19.5	FED.	12S4	11/8	1140	8800
FEDERAL	209A	PB	21.0	FED.	12S4	11/8	1190	9600
FEDERAL	209A	PB	23.0	FED.	12S4	11/8	1265	10900
<hr/>								
REMINGTON	209P	PB	19.5	WIN.	WAA12	11/8	1105	7300
REMINGTON	209P	PB	20.5	WIN.	WAA12	11/8	1145	8000
REMINGTON	209P	PB	22.0	WIN.	WAA12	11/8	1200	8700
REMINGTON	209P	PB	23.5	WIN.	WAA12	11/8	1255	9500
REMINGTON	209P	PB	20.0	WTW.	WINDJAMMER	11/8	1100	6300
REMINGTON	209P	PB	21.0	WTW.	WINDJAMMER	11/8	1140	6900
REMINGTON	209P	PB	22.5	WTW.	WINDJAMMER	11/8	1205	7900
REMINGTON	209P	PB	24.0	WTW.	WINDJAMMER	11/8	1265	8900
REMINGTON	209P	PB	19.5	CB.	CB1118-12	11/8	1090	6400
REMINGTON	209P	PB	21.0	CB.	CB1118-12	11/8	1150	7400
REMINGTON	209P	PB	22.5	CB.	CB1118-12	11/8	1200	8000
REMINGTON	209P	PB	24.0	CB.	CB1118-12	11/8	1250	8600
REMINGTON	209P	PB	20.0	REM.	FIG8	11/8	1100	6800
REMINGTON	209P	PB	21.5	REM.	FIG8	11/8	1150	7500
REMINGTON	209P	PB	23.0	REM.	FIG8	11/8	1205	8400
REMINGTON	209P	PB	24.5	REM.	FIG8	11/8	1260	9300
REMINGTON	209P	PB	19.0	FED.	12S4	11/8	1100	7700
REMINGTON	209P	PB	20.0	FED.	12S4	11/8	1140	8400
REMINGTON	209P	PB	21.5	FED.	12S4	11/8	1195	9300
REMINGTON	209P	PB	23.0	FED.	12S4	11/8	1245	10000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	PB	19.0	WIN.	WAA12	11/8	1100	7700
WINCHESTER	209	PB	20.0	WIN.	WAA12	11/8	1140	8400
WINCHESTER	209	PB	22.0	WIN.	WAA12	11/8	1205	9400
WINCHESTER	209	PB	23.5	WIN.	WAA12	11/8	1255	10200
WINCHESTER	209	PB	20.0	WTW.	WINDJAMMER	11/8	1105	6700
WINCHESTER	209	PB	21.0	WTW.	WINDJAMMER	11/8	1145	7300
WINCHESTER	209	PB	22.5	WTW.	WINDJAMMER	11/8	1205	8200
WINCHESTER	209	PB	24.0	WTW.	WINDJAMMER	11/8	1260	9100
WINCHESTER	209	PB	20.0	CB.	CB1118-12	11/8	1100	6700
WINCHESTER	209	PB	21.0	CB.	CB1118-12	11/8	1140	7200
WINCHESTER	209	PB	22.5	CB.	CB1118-12	11/8	1200	8000
WINCHESTER	209	PB	24.0	CB.	CB1118-12	11/8	1255	8800
WINCHESTER	209	PB	19.5	REM.	FIG8	11/8	1095	6900
WINCHESTER	209	PB	21.0	REM.	FIG8	11/8	1155	7900
WINCHESTER	209	PB	22.0	REM.	FIG8	11/8	1190	8400
WINCHESTER	209	PB	23.5	REM.	FIG8	11/8	1250	9300
WINCHESTER	209	PB	19.0	FED.	12S4	11/8	1095	7700
WINCHESTER	209	PB	20.5	FED.	12S4	11/8	1155	8500
WINCHESTER	209	PB	21.5	FED.	12S4	11/8	1190	9100
WINCHESTER	209	PB	23.5	FED.	12S4	11/8	1260	10400
FEDERAL	209A	SR7625	19.5	WIN.	WAA12	11/8	1100	7900
FEDERAL	209A	SR7625	20.5	WIN.	WAA12	11/8	1140	8500
FEDERAL	209A	SR7625	22.0	WIN.	WAA12	11/8	1205	9700
FEDERAL	209A	SR7625	23.0	WIN.	WAA12	11/8	1245	10500
FEDERAL	209A	SR7625	21.0	WTW.	WINDJAMMER	11/8	1105	6500
FEDERAL	209A	SR7625	22.0	WTW.	WINDJAMMER	11/8	1150	7200
FEDERAL	209A	SR7625	23.5	WTW.	WINDJAMMER	11/8	1205	7800
FEDERAL	209A	SR7625	25.0	WTW.	WINDJAMMER	11/8	1255	8400
FEDERAL	209A	SR7625	20.0	CB.	CB1118-12	11/8	1090	6900
FEDERAL	209A	SR7625	21.5	CB.	CB1118-12	11/8	1150	7900
FEDERAL	209A	SR7625	22.5	CB.	CB1118-12	11/8	1190	8400
FEDERAL	209A	SR7625	24.0	CB.	CB1118-12	11/8	1250	9200
FEDERAL	209A	SR7625	20.5	REM.	RXP12	11/8	1095	7200
FEDERAL	209A	SR7625	22.0	REM.	RXP12	11/8	1155	8000
FEDERAL	209A	SR7625	23.0	REM.	RXP12	11/8	1190	8600
FEDERAL	209A	SR7625	24.5	REM.	RXP12	11/8	1250	9400
FEDERAL	209A	SR7625	20.0	FED.	12S3	11/8	1095	7300
FEDERAL	209A	SR7625	21.0	FED.	12S3	11/8	1140	8100
FEDERAL	209A	SR7625	22.5	FED.	12S3	11/8	1195	9100
FEDERAL	209A	SR7625	24.0	FED.	12S3	11/8	1250	10000
REMINGTON	209P	SR7625	20.0	WIN.	WAA12	11/8	1090	7100
REMINGTON	209P	SR7625	21.5	WIN.	WAA12	11/8	1150	8000
REMINGTON	209P	SR7625	23.0	WIN.	WAA12	11/8	1200	8700
REMINGTON	209P	SR7625	24.5	WIN.	WAA12	11/8	1255	9400
REMINGTON	209P	SR7625	21.5	WTW.	WINDJAMMER	11/8	1095	6000
REMINGTON	209P	SR7625	23.0	WTW.	WINDJAMMER	11/8	1150	6700
REMINGTON	209P	SR7625	24.0	WTW.	WINDJAMMER	11/8	1195	7300
REMINGTON	209P	SR7625	25.5	WTW.	WINDJAMMER	11/8	1260	8400
REMINGTON	209P	SR7625	20.5	CB.	CB1118-12	11/8	1095	6400
REMINGTON	209P	SR7625	22.0	CB.	CB1118-12	11/8	1155	7400
REMINGTON	209P	SR7625	23.0	CB.	CB1118-12	11/8	1195	8000
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	11/8	1250	8800
REMINGTON	209P	SR7625	21.0	REM.	RXP12	11/8	1095	6500
REMINGTON	209P	SR7625	22.5	REM.	RXP12	11/8	1150	7400
REMINGTON	209P	SR7625	24.0	REM.	RXP12	11/8	1205	8200
REMINGTON	209P	SR7625	25.5	REM.	RXP12	11/8	1250	9000
REMINGTON	209P	SR7625	21.0	FED.	12S3	11/8	1110	7200
REMINGTON	209P	SR7625	22.0	FED.	12S3	11/8	1150	7800
REMINGTON	209P	SR7625	23.5	FED.	12S3	11/8	1210	8700
REMINGTON	209P	SR7625	24.5	FED.	12S3	11/8	1250	9500
WINCHESTER	209	SR7625	20.5	WIN.	WAA12	11/8	1090	7000
WINCHESTER	209	SR7625	22.0	WIN.	WAA12	11/8	1155	7900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12	11/8	1195	8600

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions; to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	SR7625	24.5	WIN.	WAA12	11/8	1250	9500
WINCHESTER	209	SR7625	21.5	WTW.	WINDJAMMER	11/8	1095	5900
WINCHESTER	209	SR7625	22.5	WTW.	WINDJAMMER	11/8	1140	6500
WINCHESTER	209	SR7625	24.0	WTW.	WINDJAMMER	11/8	1205	7700
WINCHESTER	209	SR7625	25.0	WTW.	WINDJAMMER	11/8	1250	8500
WINCHESTER	209	SR7625	21.0	CB.	CB1118-12	11/8	1090	6200
WINCHESTER	209	SR7625	22.5	CB.	CB1118-12	11/8	1155	7200
WINCHESTER	209	SR7625	23.0	CB.	CB1118-12	11/8	1200	7600
WINCHESTER	209	SR7625	24.5	CB.	CB1118-12	11/8	1245	8600
WINCHESTER	209	SR7625	21.0	REM.	RXP12	11/8	1090	6200
WINCHESTER	209	SR7625	22.5	REM.	RXP12	11/8	1155	7400
WINCHESTER	209	SR7625	23.5	REM.	RXP12	11/8	1195	7900
WINCHESTER	209	SR7625	25.0	REM.	RXP12	11/8	1250	8800
WINCHESTER	209	SR7625	20.5	FED.	12S3	11/8	1090	6700
WINCHESTER	209	SR7625	22.0	FED.	12S3	11/8	1145	7800
WINCHESTER	209	SR7625	23.5	FED.	12S3	11/8	1205	8800
WINCHESTER	209	SR7625	24.5	FED.	12S3	11/8	1255	9600
CCI	209	"HI-SKOR" 800-X	19.5	WIN.	WAA12	11/8	1105	6900
CCI	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1150	7500
CCI	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1190	8200
CCI	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1255	9100
CCI	209	"HI-SKOR" 800-X	20.0	WTW	WINDJAMMER	11/8	1095	6000
CCI	209	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	11/8	1145	6700
CCI	209	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1195	7300
CCI	209	"HI-SKOR" 800-X	23.5	WTW	WINDJAMMER	11/8	1250	8200
CCI	209	"HI-SKOR" 800-X	19.5	CB	CB1118-12	11/8	1095	6200
CCI	209	"HI-SKOR" 800-X	21.0	CB	CB1118-12	11/8	1155	7000
CCI	209	"HI-SKOR" 800-X	22.0	CB	CB1118-12	11/8	1195	7500
CCI	209	"HI-SKOR" 800-X	23.5	CB	CB1118-12	11/8	1255	8400
CCI	209	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1095	6500
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	11/8	1155	7200
CCI	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1190	7600
CCI	209	"HI-SKOR" 800-X	24.0	REM.	FIG8	11/8	1265	8700
CCI	209	"HI-SKOR" 800-X	19.5	FED.	12S3	11/8	1100	7000
CCI	209	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1140	7600
CCI	209	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1200	8500
CCI	209	"HI-SKOR" 800-X	23.5	FED.	12S3	11/8	1260	9400
FEDERAL	209A	"HI-SKOR" 800-X	19.0	WIN.	WAA12	11/8	1095	7200
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WIN.	WAA12	11/8	1145	8000
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WIN.	WAA12	11/8	1190	8700
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1250	9700
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WTW	WINDJAMMER	11/8	1110	6500
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	11/8	1160	7200
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1205	7900
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	11/8	1250	8600
FEDERAL	209A	"HI-SKOR" 800-X	19.5	CB	CB1118-12	11/8	1105	6800
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB	CB1118-12	11/8	1150	7500
FEDERAL	209A	"HI-SKOR" 800-X	21.5	CB	CB1118-12	11/8	1200	8200
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB	CB1118-12	11/8	1250	9000
FEDERAL	209A	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1100	6900
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	FIG8	11/8	1140	7500
FEDERAL	209A	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1200	8400
FEDERAL	209A	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1260	9200
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	12S3	11/8	1100	7300
FEDERAL	209A	"HI-SKOR" 800-X	20.0	FED.	12S3	11/8	1140	8000
FEDERAL	209A	"HI-SKOR" 800-X	21.5	FED.	12S3	11/8	1205	9000
FEDERAL	209A	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1260	9900
WINCHESTER	209	"HI-SKOR" 800-X	19.0	WIN.	WAA12	11/8	1090	6900
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WIN.	WAA12	11/8	1140	7800
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WIN.	WAA12	11/8	1190	8600
WINCHESTER	209	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1250	9600
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WTW	WINDJAMMER	11/8	1095	6200
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	11/8	1145	6900
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1190	7500
WINCHESTER	209	"HI-SKOR" 800-X	23.5	WTW	WINDJAMMER	11/8	1250	8400
WINCHESTER	209	"HI-SKOR" 800-X	19.5	CB	CB1118-12	11/8	1100	6500
WINCHESTER	209	"HI-SKOR" 800-X	20.5	CB	CB1118-12	11/8	1145	7200
WINCHESTER	209	"HI-SKOR" 800-X	21.5	CB	CB1118-12	11/8	1190	7800
WINCHESTER	209	"HI-SKOR" 800-X	23.0	CB	CB1118-12	11/8	1250	8700
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1095	6500
WINCHESTER	209	"HI-SKOR" 800-X	20.5	REM.	FIG8	11/8	1140	7200
WINCHESTER	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1205	8100

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1265	8900
WINCHESTER	209	"HI-SKOR" 800-X	19.0	FED.	12S3	11/8	1090	6800
WINCHESTER	209	"HI-SKOR" 800-X	20.0	FED.	12S3	11/8	1135	7500
WINCHESTER	209	"HI-SKOR" 800-X	21.5	FED.	12S3	11/8	1205	8500
WINCHESTER	209	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1260	9600
SHELL: WINCHESTER AA								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1090	9100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WIN.	WAA12	11/8	1135	10000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1200	11300
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WTW.	WINDJAMMER	11/8	1095	8200
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WTW.	WINDJAMMER	11/8	1140	9000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1200	10100
FEDERAL	209A	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1255	11000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB1118-12	11/8	1095	8500
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1118-12	11/8	1140	9400
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1200	10700
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB1118-12	11/8	1245	11500
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1100	8900
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1145	9600
FEDERAL	209A	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10600
FEDERAL	209A	"HI-SKOR" 700-X	19.0	REM.	FIG8	11/8	1240	11200
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9000
FEDERAL	209A	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1145	9900
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1205	11200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1095	8200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	WIN.	WAA12	11/8	1150	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.5	WIN.	WAA12	11/8	1205	9800
REMINGTON	209P	"HI-SKOR" 700-X	20.0	WIN.	WAA12	11/8	1260	10800
REMINGTON	209P	"HI-SKOR" 700-X	16.0	WTW.	WINDJAMMER	11/8	1090	6800
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1145	7600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1195	8500
REMINGTON	209P	"HI-SKOR" 700-X	20.5	WTW.	WINDJAMMER	11/8	1245	9300
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1090	6900
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1118-12	11/8	1150	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB1118-12	11/8	1195	8900
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB1118-12	11/8	1255	10400
REMINGTON	209P	"HI-SKOR" 700-X	16.0	REM.	FIG8	11/8	1100	7900
REMINGTON	209P	"HI-SKOR" 700-X	17.0	REM.	FIG8	11/8	1145	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.5	REM.	FIG8	11/8	1205	9500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	REM.	FIG8	11/8	1250	10200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1090	7800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1135	8600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1190	9700
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S3	11/8	1250	10900
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1105	9200
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1150	10100
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1190	10800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1110	8100
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1150	8900
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1195	9700
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1250	11000
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1105	8600
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1150	9500
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1195	10200
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1255	11200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1090	8300
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1135	9000
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1200	10200
WINCHESTER	209	"HI-SKOR" 700-X	19.5	REM.	FIG8	11/8	1255	11400
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9500
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1150	10400
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1190	11100
FEDERAL	209A	PB	19.0	WIN.	WAA12	11/8	1100	7500
FEDERAL	209A	PB	20.5	WIN.	WAA12	11/8	1150	8200
FEDERAL	209A	PB	22.0	WIN.	WAA12	11/8	1205	8900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	PB	23.5	WIN.	WAA12	11/8	1260	9700
FEDERAL	209A	PB	19.5	WTW.	WINDJAMMER	11/8	1100	6400
FEDERAL	209A	PB	21.0	WTW.	WINDJAMMER	11/8	1155	7000
FEDERAL	209A	PB	22.5	WTW.	WINDJAMMER	11/8	1205	7800
FEDERAL	209A	PB	24.0	WTW.	WINDJAMMER	11/8	1260	8700
FEDERAL	209A	PB	19.5	CB.	CB1118-12	11/8	1105	6600
FEDERAL	209A	PB	21.0	CB.	CB1118-12	11/8	1155	7400
FEDERAL	209A	PB	22.5	CB.	CB1118-12	11/8	1205	7900
FEDERAL	209A	PB	24.0	CB.	CB1118-12	11/8	1255	8600
FEDERAL	209A	PB	19.5	REM.	RXP12	11/8	1105	7100
FEDERAL	209A	PB	20.5	REM.	RXP12	11/8	1140	7600
FEDERAL	209A	PB	22.0	REM.	RXP12	11/8	1195	8400
FEDERAL	209A	PB	23.5	REM.	RXP12	11/8	1250	9300
FEDERAL	209A	PB	19.0	FED.	12S4	11/8	1100	7600
FEDERAL	209A	PB	20.5	FED.	12S4	11/8	1150	8300
FEDERAL	209A	PB	22.0	FED.	12S4	11/8	1200	9100
FEDERAL	209A	PB	23.5	FED.	12S4	11/8	1255	10100
REMINGTON	209P	PB	20.0	WIN.	WAA12	11/8	1100	6500
REMINGTON	209P	PB	21.0	WIN.	WAA12	11/8	1140	7100
REMINGTON	209P	PB	23.0	WIN.	WAA12	11/8	1200	7700
REMINGTON	209P	PB	24.5	WIN.	WAA12	11/8	1260	8800
REMINGTON	209P	PB	20.0	WTW.	WINDJAMMER	11/8	1095	5700
REMINGTON	209P	PB	21.5	WTW.	WINDJAMMER	11/8	1145	6400
REMINGTON	209P	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7300
REMINGTON	209P	PB	24.5	WTW.	WINDJAMMER	11/8	1255	7900
REMINGTON	209P	PB	20.5	CB.	CB1118-12	11/8	1100	5500
REMINGTON	209P	PB	21.5	CB.	CB1118-12	11/8	1140	6100
REMINGTON	209P	PB	23.0	CB.	CB1118-12	11/8	1200	7100
REMINGTON	209P	PB	24.5	CB.	CB1118-12	11/8	1250	7700
REMINGTON	209P	PB	20.0	REM.	RXP12	11/8	1100	6400
REMINGTON	209P	PB	21.0	REM.	RXP12	11/8	1140	7000
REMINGTON	209P	PB	22.5	REM.	RXP12	11/8	1200	8000
REMINGTON	209P	PB	24.0	REM.	RXP12	11/8	1255	8900
REMINGTON	209P	PB	19.5	FED.	12S4	11/8	1095	6900
REMINGTON	209P	PB	20.5	FED.	12S4	11/8	1140	7700
REMINGTON	209P	PB	22.0	FED.	12S4	11/8	1195	8600
REMINGTON	209P	PB	24.0	FED.	12S4	11/8	1260	9600
WINCHESTER	209	PB	19.5	WIN.	WAA12	11/8	1095	6900
WINCHESTER	209	PB	21.0	WIN.	WAA12	11/8	1150	7700
WINCHESTER	209	PB	22.5	WIN.	WAA12	11/8	1205	8600
WINCHESTER	209	PB	24.0	WIN.	WAA12	11/8	1265	9400
WINCHESTER	209	PB	20.0	WTW.	WINDJAMMER	11/8	1100	6200
WINCHESTER	209	PB	21.5	WTW.	WINDJAMMER	11/8	1155	6900
WINCHESTER	209	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7400
WINCHESTER	209	PB	24.5	WTW.	WINDJAMMER	11/8	1260	8400
WINCHESTER	209	PB	20.0	CB.	CB1118-12	11/8	1100	6300
WINCHESTER	209	PB	21.5	CB.	CB1118-12	11/8	1155	7000
WINCHESTER	209	PB	23.0	CB.	CB1118-12	11/8	1210	7900
WINCHESTER	209	PB	24.0	CB.	CB1118-12	11/8	1250	8500
WINCHESTER	209	PB	20.0	REM.	RXP12	11/8	1110	6900
WINCHESTER	209	PB	21.0	REM.	RXP12	11/8	1155	7500
WINCHESTER	209	PB	22.5	REM.	RXP12	11/8	1205	8500
WINCHESTER	209	PB	24.0	REM.	RXP12	11/8	1265	9500
WINCHESTER	209	PB	19.5	FED.	12S4	11/8	1105	7400
WINCHESTER	209	PB	20.5	FED.	12S4	11/8	1145	8000
WINCHESTER	209	PB	22.0	FED.	12S4	11/8	1200	8900
WINCHESTER	209	PB	23.5	FED.	12S4	11/8	1255	9900
FEDERAL	209A	SR7625	21.0	WIN.	WAA12	11/8	1100	6800
FEDERAL	209A	SR7625	22.5	WIN.	WAA12	11/8	1155	7400
FEDERAL	209A	SR7625	23.5	WIN.	WAA12	11/8	1190	7900
FEDERAL	209A	SR7625	25.5	WIN.	WAA12	11/8	1260	9100
FEDERAL	209A	SR7625	22.0	WTW.	WINDJAMMER	11/8	1095	5400
FEDERAL	209A	SR7625	23.5	WTW.	WINDJAMMER	11/8	1155	6400
FEDERAL	209A	SR7625	24.5	WTW.	WINDJAMMER	11/8	1200	7200
FEDERAL	209A	SR7625	25.5	WTW.	WINDJAMMER	11/8	1245	7900
FEDERAL	209A	SR7625	21.5	CB.	CB1118-12	11/8	1105	6300
FEDERAL	209A	SR7625	22.5	CB.	CB1118-12	11/8	1145	6800
FEDERAL	209A	SR7625	24.0	CB.	CB1118-12	11/8	1195	7600
FEDERAL	209A	SR7625	25.5	CB.	CB1118-12	11/8	1250	8400
FEDERAL	209A	SR7625	21.5	REM.	RXP12	11/8	1095	6100
FEDERAL	209A	SR7625	22.5	REM.	RXP12	11/8	1140	6800
FEDERAL	209A	SR7625	24.0	REM.	RXP12	11/8	1195	7700
FEDERAL	209A	SR7625	25.5	REM.	RXP12	11/8	1250	8600

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	SR7625	21.0	FED.	12S4	11/8	1100	6800
FEDERAL	209A	SR7625	22.5	FED.	12S4	11/8	1155	7600
FEDERAL	209A	SR7625	23.5	FED.	12S4	11/8	1195	8300
FEDERAL	209A	SR7625	25.0	FED.	12S4	11/8	1255	9300
REMINGTON	209P	SR7625	22.0	WIN.	WAA12	11/8	1110	6000
REMINGTON	209P	SR7625	23.0	WIN.	WAA12	11/8	1145	6400
REMINGTON	209P	SR7625	24.5	WIN.	WAA12	11/8	1195	7200
REMINGTON	209P	SR7625	26.0	WIN.	WAA12	11/8	1255	8000
REMINGTON	209P	SR7625	22.0	WTW.	WINDJAMMER	11/8	1095	5100
REMINGTON	209P	SR7625	23.5	WTW.	WINDJAMMER	11/8	1150	5900
REMINGTON	209P	SR7625	24.5	WTW.	WINDJAMMER	11/8	1190	6400
REMINGTON	209P	SR7625	26.0	WTW.	WINDJAMMER	11/8	1250	7200
REMINGTON	209P	SR7625	22.0	CB.	CB1118-12	11/8	1105	5600
REMINGTON	209P	SR7625	23.0	CB.	CB1118-12	11/8	1145	6300
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	11/8	1205	7300
REMINGTON	209P	SR7625	25.5	CB.	CB1118-12	11/8	1250	8000
REMINGTON	209P	SR7625	22.0	REM.	RXP12	11/8	1105	5800
REMINGTON	209P	SR7625	23.0	REM.	RXP12	11/8	1145	6300
REMINGTON	209P	SR7625	24.5	REM.	RXP12	11/8	1205	7400
REMINGTON	209P	SR7625	25.5	REM.	RXP12	11/8	1250	8200
REMINGTON	209P	SR7625	21.5	FED.	12S4	11/8	1100	6500
REMINGTON	209P	SR7625	22.5	FED.	12S4	11/8	1145	7200
REMINGTON	209P	SR7625	24.0	FED.	12S4	11/8	1205	8100
REMINGTON	209P	SR7625	25.5	FED.	12S4	11/8	1255	9100
WINCHESTER	209	SR7625	21.0	WIN.	WAA12	1 1/8	1090	6400
WINCHESTER	209	SR7625	22.5	WIN.	WAA12	1 1/8	1150	7300
WINCHESTER	209	SR7625	23.5	WIN.	WAA12	1 1/8	1190	7900
WINCHESTER	209	SR7625	25.5	WIN.	WAA12	1 1/8	1265	9600
WINCHESTER	209	SR7625	22.0	WTW.	WINDJAMMER	1 1/8	1105	5700
WINCHESTER	209	SR7625	23.0	WTW.	WINDJAMMER	1 1/8	1140	6200
WINCHESTER	209	SR7625	24.5	WTW.	WINDJAMMER	1 1/8	1200	6900
WINCHESTER	209	SR7625	26.0	WTW.	WINDJAMMER	1 1/8	1255	7900
WINCHESTER	209	SR7625	21.5	CB.	CB1118-12	1 1/8	1100	6000
WINCHESTER	209	SR7625	22.5	CB.	CB1118-12	1 1/8	1145	6500
WINCHESTER	209	SR7625	24.0	CB.	CB1118-12	1 1/8	1195	7300
WINCHESTER	209	SR7625	26.0	CB.	CB1118-12	1 1/8	1265	8200
WINCHESTER	209	SR7625	22.0	REM.	RXP12	1 1/8	1105	6200
WINCHESTER	209	SR7625	23.0	REM.	RXP12	1 1/8	1145	6600
WINCHESTER	209	SR7625	24.5	REM.	RXP12	1 1/8	1200	7500
WINCHESTER	209	SR7625	26.0	REM.	RXP12	1 1/8	1255	8300
WINCHESTER	209	SR7625	21.0	FED.	12S4	1 1/8	1095	6700
WINCHESTER	209	SR7625	22.5	FED.	12S4	1 1/8	1145	7500
WINCHESTER	209	SR7625	24.0	FED.	12S4	1 1/8	1200	8400
WINCHESTER	209	SR7625	25.5	FED.	12S4	1 1/8	1260	9200
CCI	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	1 1/8	1095	5800
CCI	209	"HI-SKOR" 800-X	22.0	WIN.	WAA12	1 1/8	1155	6500
CCI	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	1 1/8	1195	7000
CCI	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/8	1250	7700
CCI	209	"HI-SKOR" 800-X	21.5	WTW.	WINDJAMMER	1 1/8	1100	4800
CCI	209	"HI-SKOR" 800-X	22.5	WTW.	WINDJAMMER	1 1/8	1150	5400
CCI	209	"HI-SKOR" 800-X	24.0	WTW.	WINDJAMMER	1 1/8	1195	5800
CCI	209	"HI-SKOR" 800-X	26.0	WTW.	WINDJAMMER	1 1/8	1260	6200
CCI	209	"HI-SKOR" 800-X	21.0	CB.	CB1118-12	1 1/8	1095	5000
CCI	209	"HI-SKOR" 800-X	22.5	CB.	CB1118-12	1 1/8	1150	5400
CCI	209	"HI-SKOR" 800-X	24.0	CB.	CB1118-12	1 1/8	1200	6100
CCI	209	"HI-SKOR" 800-X	25.5	CB.	CB1118-12	1 1/8	1250	6700
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	1 1/8	1095	5200
CCI	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	1 1/8	1135	5700
CCI	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	1 1/8	1195	6300
CCI	209	"HI-SKOR" 800-X	25.5	REM.	FIG8	1 1/8	1260	6900
CCI	209	"HI-SKOR" 800-X	20.5	FED.	12S3	1 1/8	1090	5800
CCI	209	"HI-SKOR" 800-X	22.0	FED.	12S3	1 1/8	1150	6400
CCI	209	"HI-SKOR" 800-X	23.0	FED.	12S3	1 1/8	1190	6800
CCI	209	"HI-SKOR" 800-X	24.5	FED.	12S3	1 1/8	1255	7800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WIN.	WAA12	1 1/8	1105	6600
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WIN.	WAA12	1 1/8	1140	7000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12	1 1/8	1200	7800
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/8	1260	8600
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	1 1/8	1105	5100
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	1 1/8	1150	5800
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	1 1/8	1195	6500
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WTW	WINDJAMMER	1 1/8	1265	7600
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB	CB1118-2	1 1/8	1095	5600
FEDERAL	209A	"HI-SKOR" 800-X	22.0	CB	CB1118-2	1 1/8	1155	6300
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB	CB1118-2	1 1/8	1195	6800
FEDERAL	209A	"HI-SKOR" 800-X	24.5	CB	CB118-2	1 1/8	1250	7500
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	FIG8	1 1/8	1090	5200
FEDERAL	209A	"HI-SKOR" 800-X	21.5	REM.	FIG8	1 1/8	1135	5700
FEDERAL	209A	"HI-SKOR" 800-X	23.0	REM.	FIG8	1 1/8	1200	6700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	REM.	RIG8	1 1/8	1260	7700
FEDERAL	209A	"HI-SKOR" 800-X	19.5	FED.	12S3	1 1/8	1095	6400
FEDERAL	209A	"HI-SKOR" 800-X	21.0	FED.	12S3	1 1/8	1150	7100
FEDERAL	209A	"HI-SKOR" 800-X	22.5	FED.	12S3	1 1/8	1200	7800
FEDERAL	209A	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/8	1255	8500
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WIN.	WAA12	1 1/8	1100	6600
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WIN.	WAA12	1 1/8	1145	7200
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WIN.	WAA12	1 1/8	1190	7800
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/8	1265	8800
WINCHESTER	209	"HI-SKOR" 800-X	20.5	WTW	WINDJAMMER	1 1/8	1095	5400
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WTW	WINDJAMMER	1 1/8	1145	6000
WINCHESTER	209	"HI-SKOR" 800-X	22.5	WTW	WINDJAMMER	1 1/8	1190	6700
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WTW	WINDJAMMER	1 1/8	1260	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.0	CB	CB1118-12	1 1/8	1095	5800
WINCHESTER	209	"HI-SKOR" 800-X	21.5	CB	CB1118-12	1 1/8	1150	6500
WINCHESTER	209	"HI-SKOR" 800-X	23.0	CB	CB1118-12	1 1/8	1205	7100
WINCHESTER	209	"HI-SKOR" 800-X	24.5	CB	CB1118-12	1 1/8	1260	7800
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	FIG8	1 1/8	1105	6100
WINCHESTER	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	1 1/8	1150	6600
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	FIG8	1 1/8	1195	7000
WINCHESTER	209	"HI-SKOR" 800-X	24.5	REM.	FIG8	1 1/8	1255	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.0	FED.	12S3	1 1/8	1100	6500
WINCHESTER	209	"HI-SKOR" 800-X	21.5	FED.	12S3	1 1/8	1155	7100
WINCHESTER	209	"HI-SKOR" 800-X	22.5	FED.	12S3	1 1/8	1195	7600
WINCHESTER	209	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/8	1250	8400

20 GAUGE 2³/₄ INCH 7/8 OUNCE LOADS

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11700
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1210	11800
FEDERAL	209A	"HI-SKOR" 700-X	14.0	CB	CB1078-20	7/8	1190	11400
FEDERAL	209A	"HI-SKOR" 700-X	14.5	REM.	RXP 20	7/8	1210	11500
FEDERAL	209A	"HI-SKOR" 700-X	14.0	FED.	20S1	7/8	1190	11900
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11200
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1205	11400
REMINGTON	209P	"HI-SKOR" 700-X	14.5	CB	CB1078-20	7/8	1205	11300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	REM.	RXP 20	7/8	1215	11100
REMINGTON	209P	"HI-SKOR" 700-X	14.5	FED.	20S1	7/8	1205	11600
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11200
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1205	11200
WINCHESTER	209	"HI-SKOR" 700-X	14.0	CB	CB1078-20	7/8	1190	11000
WINCHESTER	209	"HI-SKOR" 700-X	14.5	REM.	RXP 20	7/8	1205	11000
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	20S1	7/8	1210	11800
FEDERAL	209A	PB	17.5	WIN.	WAA20	7/8	1200	9400
FEDERAL	209A	PB	17.5	WTW	WINDJAMMER	7/8	1200	9500
FEDERAL	209A	PB	17.0	CB	CB1078-20	7/8	1195	9800
FEDERAL	209A	PB	17.5	REM.	RXP 20	7/8	1205	9300
FEDERAL	209A	PB	17.5	FED.	20S1	7/8	1210	10000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

20 GAUGE 2¾ INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
REMINGTON	209P	PB	17.5	WIN.	WAA20	7/8	1200	9300
REMINGTON	209P	PB	18.0	WTW	WINDJAMMER	7/8	1210	9500
REMINGTON	209P	PB	17.5	CB.	CB1078-20	7/8	1200	9300
REMINGTON	209P	PB	17.5	REM.	RXP 20	7/8	1200	8900
REMINGTON	209P	PB	17.5	FED.	20S1	7/8	1200	9400
WINCHESTER	209	PB	17.5	WIN.	WAA20	7/8	1200	9400
WINCHESTER	209	PB	17.5	WTW	WINDJAMMER	7/8	1195	9500
WINCHESTER	209	PB	17.5	CB.	CB1078-20	7/8	1200	9500
WINCHESTER	209	PB	18.0	REM.	RXP 20	7/8	1195	9000
WINCHESTER	209	PB	17.5	FED.	20S1	7/8	1210	10100
FEDERAL	209A	SR7625	18.5	WIN.	WAA20	7/8	1210	9200
FEDERAL	209A	SR7625	18.5	WTW	WINDJAMMER	7/8	1190	8600
FEDERAL	209A	SR7625	18.5	CB.	CB1078-20	7/8	1210	9500
FEDERAL	209A	SR7625	19.0	REM.	RXP 20	7/8	1210	8700
FEDERAL	209A	SR7625	18.5	FED.	20S1	7/8	1195	8700
REMINGTON	209P	SR7625	18.5	WIN.	WAA20	7/8	1195	8500
REMINGTON	209P	SR7625	19.0	WTW	WINDJAMMER	7/8	1200	8300
REMINGTON	209P	SR7625	18.5	CB.	CB1078-20	7/8	1195	8600
REMINGTON	209P	SR7625	19.5	REM.	RXP 20	7/8	1205	8300
REMINGTON	209P	SR7625	19.0	FED.	20S1	7/8	1200	8300
WINCHESTER	209	SR7625	18.5	WIN.	WAA20	7/8	1195	8400
WINCHESTER	209	SR7625	19.0	WTW	WINDJAMMER	7/8	1200	9100
WINCHESTER	209	SR7625	18.5	CB.	CB1078-20	7/8	1210	9000
WINCHESTER	209	SR7625	18.5	REM.	RXP 20	7/8	1195	8500
WINCHESTER	209	SR7625	18.5	FED.	20S1	7/8	1195	8600
FEDERAL	209A	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1205	8000
FEDERAL	209A	"HI-SKOR" 800-X	17.5	WTW	WINDJAMMER	7/8	1205	8000
FEDERAL	209A	"HI-SKOR" 800-X	17.0	CB.	CB1078-20	7/8	1190	7800
FEDERAL	209A	"HI-SKOR" 800-X	17.5	REM.	RXP 20	7/8	1200	7600
FEDERAL	209A	"HI-SKOR" 800-X	17.0	FED.	20S1	7/8	1190	8200
REMINGTON	209P	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1200	7600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WTW	WINDJAMMER	7/8	1195	7300
REMINGTON	209P	"HI-SKOR" 800-X	17.5	CB.	CB1078-20	7/8	1205	7900
REMINGTON	209P	"HI-SKOR" 800-X	18.0	REM.	RXP 20	7/8	1210	7600
REMINGTON	209P	"HI-SKOR" 800-X	17.5	FED.	20S1	7/8	1195	7900
WINCHESTER	209	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1210	8100
WINCHESTER	209	"HI-SKOR" 800-X	17.5	WTW	WINDJAMMER	7/8	1200	8000
WINCHESTER	209	"HI-SKOR" 800-X	17.0	CB.	CB1078-20	7/8	1195	8100
WINCHESTER	209	"HI-SKOR" 800-X	17.5	REM.	RXP 20	7/8	1210	8000
WINCHESTER	209	"HI-SKOR" 800-X	17.5	FED.	20S1	7/8	1200	8300
FEDERAL	209A	SR4756	20.5	WIN.	WAA20F1	7/8	1205	8500
FEDERAL	209A	SR4756	20.5	WTW	WINDJAMMER	7/8	1210	8700
FEDERAL	209A	SR4756	21.0	REM.	RXP 20	7/8	1200	7800
FEDERAL	209A	SR4756	20.5	FED.	20S1	7/8	1210	8700
REMINGTON	209P	SR4756	21.5	WIN.	WAA20F1	7/8	1200	7900
REMINGTON	209P	SR4756	21.5	WTW	WINDJAMMER	7/8	1200	7900
REMINGTON	209P	SR4756	21.5	REM.	RXP 20	7/8	1180	7000
REMINGTON	209P	SR4756	21.5	FED.	20S1	7/8	1205	7600
WINCHESTER	209	SR4756	20.5	WIN.	WAA20F1	7/8	1195	8200
WINCHESTER	209	SR4756	20.5	WTW	WINDJAMMER	7/8	1195	8300
WINCHESTER	209	SR4756	21.0	REM.	RXP 20	7/8	1205	7900
WINCHESTER	209	SR4756	20.5	FED.	20S1	7/8	1205	8500
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	PB	15.5	WTW	WINDJAMMER	7/8	1185	11900
FEDERAL	209A	PB	16.0	REM.	RXP 20	7/8	1195	11600
FEDERAL	209A	PB	15.0	REM.	20S1	7/8	1160	11900
FEDERAL	209A	PB	16.0	WIN.	WAA20F1	7/8	1210	11900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

20 GAUGE 2³/₄ INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	PB	16.0	WTW	WINDJAMMER	7/8	1210	11700
REMINGTON	209P	PB	16.0	CB.	CB1078-20	7/8	1195	11800
REMINGTON	209P	PB	16.0	REM.	RXP 20	7/8	1195	11000
REMINGTON	209P	PB	15.5	FED.	20S1	7/8	1185	11800
REMINGTON	209P	PB	16.0	WIN.	WAA20F1	7/8	1195	11400
WINCHESTER	209	PB	16.0	WTW	WINDJAMMER	7/8	1200	11700
WINCHESTER	209	PB	16.0	CB.	CB1078-20	7/8	1195	11700
WINCHESTER	209	PB	16.0	REM.	RXP 20	7/8	1190	11100
WINCHESTER	209	PB	16.0	WIN.	WAA20F1	7/8	1190	11100
FEDERAL	209A	SR7625	16.5	WIN.	WAA20	7/8	1205	12000
FEDERAL	209A	SR7625	16.5	WTW	WINDJAMMER	7/8	1200	11400
FEDERAL	209A	SR7625	16.5	CB.	CB1078-20	7/8	1195	11400
FEDERAL	209A	SR7625	17.0	REM.	RXP 20	7/8	1210	11000
FEDERAL	209A	SR7625	16.5	FED.	20S1	7/8	1190	12000
REMINGTON	209P	SR7625	17.0	WIN.	WAA20	7/8	1205	11000
REMINGTON	209P	SR7625	17.0	WTW	WINDJAMMER	7/8	1210	11000
REMINGTON	209P	SR7625	17.0	CB.	CB1078-20	7/8	1205	11000
REMINGTON	209P	SR7625	17.0	REM.	RXP 20	7/8	1190	10100
REMINGTON	209P	SR7625	17.0	FED.	20S1	7/8	1195	11100
WINCHESTER	209	SR7625	17.0	WIN.	WAA20	7/8	1200	10900
WINCHESTER	209	SR7625	17.0	WTW	WINDJAMMER	7/8	1200	10800
WINCHESTER	209	SR7625	17.0	CB.	CB1078-20	7/8	1205	11100
WINCHESTER	209	SR7625	17.0	REM.	RXP 20	7/8	1195	10300
WINCHESTER	209	SR7625	17.0	FED.	20S1	7/8	1210	11800
FEDERAL	209A	"HI-SKOR" 800-X	16.0	WIN.	WAA20	7/8	1195	9300
FEDERAL	209A	"HI-SKOR" 800-X	16.0	WTW	WINDJAMMER	7/8	1200	9500
FEDERAL	209A	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1215	9900
FEDERAL	209A	"HI-SKOR" 800-X	16.0	REM.	RXP 20	7/8	1190	9100
FEDERAL	209A	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1210	10000
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9100
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1210	9500
REMINGTON	209P	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1205	9500
REMINGTON	209P	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1200	9100
REMINGTON	209P	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1195	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WIN.	WAA20	7/8	1190	9300
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WTW	WINDJAMMER	7/8	1190	9500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1205	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1210	9500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1200	9600
FEDERAL	209A	SR4756	17.5	WIN.	WAA20F1	7/8	1190	10200
FEDERAL	209A	SR4756	17.5	REM.	SP20	7/8	1195	10600
REMINGTON	209P	SR4756	18.5	WIN.	WAA20F1	7/8	1195	9500
REMINGTON	209P	SR4756	18.5	REM.	SP20	7/8	1205	10200
WINCHESTER	209	SR4756	19.0	WIN.	WAA20F1	7/8	1205	9600
WINCHESTER	209	SR4756	18.5	REM.	SP20	7/8	1205	10300
SHELL: WINCHESTER AA								
REMINGTON	209P	"HI-SKOR" 700-X	13.0	REM.	RXP 20	7/8	1160	11800
FEDERAL	209A	PB	15.5	WIN.	WAA20	7/8	1180	11700
FEDERAL	209A	PB	15.5	WTW	WINDJAMMER	7/8	1185	11900
FEDERAL	209A	PB	16.0	REM.	RXP 20	7/8	1205	11900
FEDERAL	209A	PB	15.0	FED.	20S1	7/8	1160	11900
REMINGTON	209P	PB	16.0	WIN.	WAA20	7/8	1200	11600
REMINGTON	209P	PB	16.0	WTW	WINDJAMMER	7/8	1200	11300
REMINGTON	209P	PB	16.0	CB.	CB1078-20	7/8	1200	11900
REMINGTON	209P	PB	16.0	REM.	RXP 20	7/8	1195	10900
REMINGTON	209P	PB	15.5	FED.	20S1	7/8	1175	11600
WINCHESTER	209	PB	16.0	WIN.	WAA20	7/8	1195	11700
WINCHESTER	209	PB	16.5	WTW	WINDJAMMER	7/8	1200	11800
WINCHESTER	209	PB	16.0	REM.	RXP 20	7/8	1195	11400
WINCHESTER	209	PB	15.5	FED.	20S1	7/8	1175	11800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

20 GAUGE 2³/₄ INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	SR7625	16.5	WIN.	WAA20	7/8	1205	11700
FEDERAL	209A	SR7625	16.5	WTW	WINDJAMMER	7/8	1200	11900
FEDERAL	209A	SR7625	16.5	CB.	CB1078-20	7/8	1195	11700
FEDERAL	209A	SR7625	17.0	REM.	RXP 20	7/8	1200	10800
FEDERAL	209A	SR7625	16.5	FED.	20S1	7/8	1190	11700
REMINGTON	209P	SR7625	17.0	WIN.	WAA20	7/8	1200	10900
REMINGTON	209P	SR7625	17.5	WTW	WINDJAMMER	7/8	1210	10300
REMINGTON	209P	SR7625	17.0	CB.	CB1078-20	7/8	1210	11300
REMINGTON	209P	SR7625	17.0	REM.	RXP 20	7/8	1190	10100
REMINGTON	209P	SR7625	16.5	FED.	20S1	7/8	1185	11100
WINCHESTER	209	SR7625	17.0	WIN.	WAA20	7/8	1205	10600
WINCHESTER	209	SR7625	17.0	WTW	WINDJAMMER	7/8	1205	10900
WINCHESTER	209	SR7625	16.5	CB.	CB1078-20	7/8	1190	10800
WINCHESTER	209	SR7625	17.0	REM.	RXP 20	7/8	1210	10600
WINCHESTER	209	SR7625	16.5	FED.	20S1	7/8	1195	11700
FEDERAL	209A	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9400
FEDERAL	209A	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1215	10100
FEDERAL	209A	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1190	9400
FEDERAL	209A	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1200	8800
FEDERAL	209A	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1190	9700
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1210	9300
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1190	8400
REMINGTON	209P	"HI-SKOR" 800-X	16.5	CB.	CB1078-20	7/8	1195	8400
REMINGTON	209P	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1190	7500
REMINGTON	209P	"HI-SKOR" 800-X	16.5	FED.	20S1	7/8	1190	8200
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9900
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1200	10300
WINCHESTER	209	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1190	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1210	9400
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1190	9600
FEDERAL	209A	SR4756	18.0	WIN.	WAA20F1	7/8	1190	10000
FEDERAL	209A	SR4756	18.5	WTW	WINDJAMMER	7/8	1185	10000
FEDERAL	209A	SR4756	18.0	CB.	CB1078-20	7/8	1195	10300
FEDERAL	209A	SR4756	18.5	REM.	SP20	7/8	1215	10700
FEDERAL	209A	SR4756	18.0	FED.	20S1	7/8	1190	10600
REMINGTON	209P	SR4756	18.5	WIN.	WAA20F1	7/8	1200	9800
REMINGTON	209P	SR4756	18.5	CB.	CB1078-20	7/8	1200	10000
REMINGTON	209P	SR4756	19.0	REM.	SP20	7/8	1210	9700
REMINGTON	209P	SR4756	18.5	FED.	20S1	7/8	1190	10100
WINCHESTER	209	SR4756	18.5	WIN.	WAA20F1	7/8	1200	9900
WINCHESTER	209	SR4756	18.5	WTW	WINDJAMMER	7/8	1195	9900
WINCHESTER	209	SR4756	18.0	CB.	CB1078-20	7/8	1180	9700
WINCHESTER	209	SR4756	18.5	REM.	SP20	7/8	1200	9900
WINCHESTER	209	SR4756	18.0	FED.	20S1	7/8	1205	10700

28 GAUGE 2³/₄ INCH 3/4 OUNCE LOADS

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC TARGET/HUNTING								
FEDERAL	209A	PB	13.0	WIN.	WAA28	3/4	1165	12400
FEDERAL	209A	PB	13.0	CB.	CB-1034-28	3/4	1165	12100
FEDERAL	209A	PB	13.0	REM.	PT28	3/4	1160	12300
REMINGTON	209P	PB	14.5	WIN.	WAA28	3/4	1205	11400
REMINGTON	209P	PB	14.5	PATCTL.	PC-28	3/4	1200	11500
REMINGTON	209P	PB	14.5	REM.	PT28	3/4	1200	11700
REMINGTON	209P	PB	14.0	FED.	28S1	3/4	1190	12200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

28 GAUGE 2³/₄ INCH 3⁴/₄ OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL PLASTIC TARGET/HUNTING								
WINCHESTER	209	PB	14.5	WIN.	WAA28	3/4	1215	11900
WINCHESTER	209	PB	14.5	PATCTL.	PC-28	3/4	1210	12000
WINCHESTER	209	PB	14.5	REM.	PT28	3/4	1205	12100
WINCHESTER	209	PB	14.0	FED.	28S1	3/4	1185	12500
FEDERAL	209A	SR7625	14.5	WIN.	WAA28	3/4	1215	12300
FEDERAL	209A	SR7625	14.0	PATCTL.	PC-28	3/4	1195	11900
FEDERAL	209A	SR7625	14.0	CB.	CB-1034-28	3/4	1195	12000
FEDERAL	209A	SR7625	15.5	REM.	PT28	3/4	1195	11800
FEDERAL	209A	SR7625	14.0	FED.	28S1	3/4	1185	12000
REMINGTON	209P	SR7625	14.5	WIN.	WAA28	3/4	1185	10500
REMINGTON	209P	SR7625	15.0	PATCTL.	PC-28	3/4	1205	10100
REMINGTON	209P	SR7625	15.0	REM.	PT28	3/4	1190	10200
REMINGTON	209P	SR7625	14.5	FED.	28S1	3/4	1190	10800
WINCHESTER	209	SR7625	14.5	WIN.	WAA28	3/4	1185	10800
WINCHESTER	209	SR7625	15.0	PATCTL.	PC-28	3/4	1205	10900
WINCHESTER	209	SR7625	15.0	REM.	PT28	3/4	1200	11100
WINCHESTER	209	SR7625	15.0	FED.	28S1	3/4	1205	11200
FEDERAL	209A	"HI-SKOR" 800-X	13.5	WIN.	WAA28	3/4	1195	10100
FEDERAL	209A	"HI-SKOR" 800-X	13.5	PATCTL.	PC-28	3/4	1215	10600
FEDERAL	209A	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1200	10000
FEDERAL	209A	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1205	10700
FEDERAL	209A	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1205	11000
REMINGTON	209P	"HI-SKOR" 800-X	14.5	WIN.	WAA28	3/4	1210	9500
REMINGTON	209P	"HI-SKOR" 800-X	14.0	PATCTL.	PC-28	3/4	1200	9600
REMINGTON	209P	"HI-SKOR" 800-X	14.0	CB.	CB1034-28	3/4	1205	9800
REMINGTON	209P	"HI-SKOR" 800-X	14.0	REM.	PT28	3/4	1195	9900
REMINGTON	209P	"HI-SKOR" 800-X	14.0	FED.	28S1	3/4	1210	10400
WINCHESTER	209	"HI-SKOR" 800-X	14.0	WIN.	WAA28	3/4	1210	10000
WINCHESTER	209	"HI-SKOR" 800-X	13.5	PATCTL.	PC-28	3/4	1190	9900
WINCHESTER	209	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1190	9800
WINCHESTER	209	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1190	10100
WINCHESTER	209	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1200	10500
FEDERAL	209A	SR4756	15.5	PATCTL.	PC-28	3/4	1210	11400
FEDERAL	209A	SR4756	15.5	REM.	PT28	3/4	1200	11400
FEDERAL	209A	SR4756	15.5	FED.	28S1	3/4	1205	11900
REMINGTON	209P	SR4756	16.0	PATCTL.	PC-28	3/4	1185	9600
REMINGTON	209P	SR4756	17.0	REM.	PT28	3/4	1170	10300
REMINGTON	209P	SR4756	16.5	FED.	28S1	3/4	1195	9800
WINCHESTER	209	SR4756	16.0	PATCTL.	PC-28	3/4	1200	10300
WINCHESTER	209	SR4756	16.0	REM.	PT28	3/4	1190	10500
WINCHESTER	209	SR4756	16.0	FED.	28S1	3/4	1195	10600
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	PB	13.5	WIN.	WAA28	3/4	1205	12300
REMINGTON	209P	PB	13.0	PATCTL.	PC-28	3/4	1185	12100
REMINGTON	209P	PB	13.0	REM.	PT28	3/4	1175	12500
REMINGTON	209P	SR7625	14.0	WIN.	WAA28	3/4	1205	11800
REMINGTON	209P	SR7625	14.0	PATCTL.	PC-28	3/4	1200	11700
REMINGTON	209P	SR7625	13.5	REM.	PT28	3/4	1190	12400
REMINGTON	209P	SR7625	13.5	FED.	28S1	3/4	1185	12400
WINCHESTER	209	SR7625	14.0	WIN.	WAA28	3/4	1210	12200
WINCHESTER	209	SR7625	14.0	PATCTL.	PC-28	3/4	1210	12200
WINCHESTER	209	SR7625	14.0	REM.	PT28	3/4	1200	12500
FEDERAL	209A	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1195	11000
FEDERAL	209A	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1210	11400
FEDERAL	209A	"HI-SKOR" 800-X	13.0	CB.	CB1034-28	3/4	1200	10800
FEDERAL	209A	"HI-SKOR" 800-X	13.0	REM.	PT28	3/4	1205	11400
FEDERAL	209A	"HI-SKOR" 800-X	13.0	FED.	28S1	3/4	1205	11700
REMINGTON	209P	"HI-SKOR" 800-X	13.5	WIN.	WAA28	3/4	1205	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1190	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1205	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1205	10700
REMINGTON	209P	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1215	11600

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

28 GAUGE 2³/₄ INCH 3⁴/₄ OUNCE LOADS (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1185	10400
WINCHESTER	209	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1185	10300
WINCHESTER	209	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1215	10800
WINCHESTER	209	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1210	11100
WINCHESTER	209	"HI-SKOR" 800-X	13.0	FED.	28S1	3/4	1195	11300
FEDERAL	209A	SR4756	14.5	PATCTL.	PC-28	3/4	1200	12200
FEDERAL	209A	SR4756	14.0	REM.	PT28	3/4	1185	12500
FEDERAL	209A	SR4756	14.0	FED.	28S1	3/4	1175	12300
REMINGTON	209P	SR4756	15.0	PATCTL.	PC-28	3/4	1165	9900
REMINGTON	209P	SR4756	14.0	FED.	28S1	3/4	1140	10300
WINCHESTER	209	SR4756	15.0	PATCTL.	PC-28	3/4	1200	11200
WINCHESTER	209	SR4756	14.0	REM.	PT28	3/4	1155	11000
WINCHESTER	209	SR4756	14.0	FED.	28S1	3/4	1160	11500
SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" & "SUPER-X"								
REMINGTON	209P	SR7625	14.0	WIN.	WAA28	3/4	1205	12300
REMINGTON	209P	SR7625	13.5	PATCTL.	PC-28	3/4	1170	12000
REMINGTON	209P	SR7625	14.0	CB.	CB1034-28	3/4	1190	12300
REMINGTON	209P	SR7625	13.5	FED.	28S1	3/4	1170	12400
FEDERAL	209A	"HI-SKOR" 800-X	12.5	WIN.	WAA28	3/4	1185	11600
FEDERAL	209A	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1210	12300
FEDERAL	209A	"HI-SKOR" 800-X	12.5	CB.	CB1034-28	3/4	1185	11700
FEDERAL	209A	"HI-SKOR" 800-X	12.0	FED.	28S1	3/4	1150	12000
REMINGTON	209P	"HI-SKOR" 800-X	14.0	WIN.	WAA28	3/4	1200	9700
REMINGTON	209P	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1200	11400
REMINGTON	209P	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1200	10200
REMINGTON	209P	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1205	11500
WINCHESTER	209	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1195	11400
WINCHESTER	209	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1205	12000
WINCHESTER	209	"HI-SKOR" 800-X	13.0	CB.	CB1034-28	3/4	1190	11200
WINCHESTER	209	"HI-SKOR" 800-X	12.5	FED.	28S1	3/4	1175	12200
REMINGTON	209P	SR4756	14.0	WIN.	WAA28	3/4	1150	11500
REMINGTON	209P	SR4756	14.5	PATCTL.	PC-28	3/4	1185	12200
REMINGTON	209P	SR4756	14.0	CB.	CB1034-28	3/4	1165	12000
WINCHESTER	209	SR4756	14.0	WIN.	WAA28	3/4	1150	11400
WINCHESTER	209	SR4756	14.5	PATCTL.	PC-28	3/4	1190	12000
WINCHESTER	209	SR4756	14.0	CB.	CB1034-28	3/4	1170	12200
WINCHESTER	209	SR4756	14.0	FED.	28S1	3/4	1155	12500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions; to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

.410 BORE 2½ INCH ½ OUNCE LOADS

PRIMER		IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: FEDERAL 2 1/2" PLASTIC TARGET/HUNTING								
FEDERAL	209A	IMR4227	17.0	TRICO	NO. 4*	1/2	1165	12000
FEDERAL	209A	IMR4227	17.0	PATCTL.	PC-410	1/2	1170	12500
FEDERAL	209A	IMR4227	17.0	REM.	SP410	1/2	1155	12000
FEDERAL	209A	IMR4227	17.5	CB.	CB1050-41	1/2	1190	12200
FEDERAL	209A	IMR4227	17.5	FED.	410SC	1/2	1195	12200
REMINGTON	209P	IMR4227	18.5	REM.	SP410	1/2	1180	10700
WINCHESTER	209	IMR4227	18.0	TRICO	NO. 4*	1/2	1170	11400
WINCHESTER	209	IMR4227	18.5	PATCTL.	PC-410	1/2	1215	11800
WINCHESTER	209	IMR4227	18.0	REM.	SP410	1/2	1200	12000
WINCHESTER	209	IMR4227	18.0	CB.	CB1050-41	1/2	1165	11300
SHELL: REMINGTON 2 1/2" EXPRESS								
FEDERAL	209A	IMR4227	17.0	TRICO	NO. 4*	1/2	1160	11900
FEDERAL	209A	IMR4227	17.5	PATCTL.	PC-410	1/2	1195	12500
FEDERAL	209A	IMR4227	18.0	CB.	CB1050-41	1/2	1210	12500
FEDERAL	209A	IMR4227	17.5	FED.	410SC	1/2	1195	12400
WINCHESTER	209	IMR4227	17.5	PATCTL.	PC-410	1/2	1160	11200
WINCHESTER	209	IMR4227	18.0	CB.	CB1050-41	1/2	1160	11000
SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" & "SUPER-X"								
REMINGTON	209P	IMR4227	17.0	TRICO	NO. 4*	1/2	1145	11600
WINCHESTER	209	IMR4227	17.0	TRICO	NO. 4*	1/2	1160	12400
WINCHESTER	209	IMR4227	16.5	PATCTL.	PC-410	1/2	1140	12300

SHOTSHIELD FIELD 10 GAUGE 3½ INCH RELOADING DATA

PRIMER		IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: FEDERAL 3 1/2" MAGNUM PAPER BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	29.0	REM	SP10+(2)20GA 0.125" CARDS	2 1/4	1085	10700
FEDERAL	209A	SR4756	33.0	REM	SP10	2 1/4	1065	10600
FEDERAL	209A	"HI-SKOR" 800-X	32.0	REM	SP10+(4)20GA 0.125" CARDS	2	1180	10900
FEDERAL	209A	SR4756	37.0	REM	SP10+(2)20GA 0.125" CARDS	2	1175	10800
REMINGTON	209PSTS	SR4756	41.5	REM	SP10+(2)20GA 0.125" CARDS	2	1230	10800
SHELL: REMINGTON 3 1/2" NITRO MAGNUM PLASTIC BASEWAD								
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0	REM	SP10+(3)20GA 0.125" CARDS	2 1/4	1055	10800
REMINGTON	209PSTS	SR4756	34.5	REM	SP10	2 1/4	1095	10900
REMINGTON	209PSTS	SR7625	32.5	REM	SP10+(3)20GA 0.125" CARDS	2	1115	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	REM	SP10+(4)20GA 0.125" CARDS	2	1145	10900
REMINGTON	209PSTS	SR4756	39.5	REM	SP10+(2)20GA 0.125" CARDS	2	1210	10800
SHELL: WINCHESTER 3 1/2" SUPER MAGNUM PLASTIC BASEWAD								
WINCHESTER	209	"HI-SKOR" 800-X	32.0	REM	SP10	2 1/4	1135	10900
WINCHESTER	209	SR4756	37.0	REM	SP10	2 1/4	1130	11000
WINCHESTER	209	"HI-SKOR" 800-X	35.0	REM	SP10+(2)20 GA 0.125" CARDS	2	1230	10800
WINCHESTER	209	SR4756	42.0	REM	SP10+(1)20GA 0.125" CARD	2	1245	10700

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE BUCKSHOT RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER		WAD COLUMN		BP SDC BUFFER		BUCKSHOT NO. SIZE OF PELLETS	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
		DESIGNATION	GRAINS	MFR.	DESIGNATION	(GRAINS)				
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL										
FEDERAL	209A	"HI-SKOR" 700-X	17.5	FED	12S3	20		8 00	1230	10900
FEDERAL	209A	PB	25.0	FED	12S4	20		8 00	1340	10900
FEDERAL	209A	SR7625	30.0	FED	12S4	20		8 00	1410	10800
FEDERAL	209A	"HI-SKOR" 800-X	29.0	FED	12S4	20		8 00	1465	10800
FEDERAL	209A	SR4756	37.0	WIN	WAA12R	18		8 00	1545	10900
SHELL: REMINGTON 2 3/4" NITRO 27										
REMINGTON	209PSTS	"HI-SKOR" 700-X	17.5	REM	FIG8	20		8 00	1225	10700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM	FIG8	20		8 00	1210	10800
REMINGTON	209PSTS	PB	25.0	REM	SP12	20		8 00	1340	10600
REMINGTON	209PSTS	SR7625	30.5	REM	SP12	20		8 00	1425	10800
FEDERAL	209A	SR7625	27.0	REM	SP12	20		8 00	1360	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	REM	SP12	20		8 00	1475	10900
REMINGTON	209PSTS	SR4756	37.0	WIN	WAA12R	18		8 00	1545	11000
SHELL: WINCHESTER 2 3/4" AA										
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN	WAA12R	20		8 00	1245	10800
WINCHESTER	209	PB	27.5	WIN	WAA12R	20		8 00	1410	10800
WINCHESTER	209	SR7625	33.0	WIN	WAA12R	20		8 00	1495	10600
FEDERAL	209A	SR7625	29.5	WIN	WAA12R	20		8 00	1430	11000
WINCHESTER	209	"HI-SKOR" 800-X	32.0	WIN	WAA12R	20		8 00	1545	10700
WINCHESTER	209	SR4756	39.5	WIN	WAA12R	18		8 00	1595	10800

12 GAUGE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
		DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S4	1 1/4	1165	11500
FEDERAL	209A	"HI-SKOR" 700-X	20.0	WINJ.	WINDJAMMER	1 1/4	1230	11300
FEDERAL	209A	"HI-SKOR" 700-X	19.0	REM.	FIG8	1 1/4	1200	11300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12	1 1/4	1180	11500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S3	1 1/4	1205	11500
REMINGTON	209P	"HI-SKOR" 700-X	21.0	WINJ.	WINDJAMMER	1 1/4	1260	11500
REMINGTON	209P	"HI-SKOR" 700-X	21.0	REM.	FIG8	1 1/4	1255	11500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	WIN.	WAA12	1 1/4	1215	11400
WINCHESTER	209	"HI-SKOR" 700-X	19.0	FED.	12S3	1 1/4	1195	11500
WINCHESTER	209	"HI-SKOR" 700-X	21.0	WINJ.	WINDJAMMER	1 1/4	1250	11500
WINCHESTER	209	"HI-SKOR" 700-X	19.5	REM.	FIG8	1 1/4	1210	11100
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WIN.	WAA12	1 1/4	1200	11500
FEDERAL	209A	PB	23.5	FED.	12S4	1 1/4	1225	10500
FEDERAL	209A	PB	25.0	FED.	12S4	1 1/4	1270	11300
FEDERAL	209A	PB	25.5	REM.	FIG8	1 1/4	1270	10500
FEDERAL	209A	PB	27.0	REM.	FIG8	1 1/4	1315	11500
FEDERAL	209A	PB	25.5	CLAYB.	CB3118-12AR	1 1/4	1275	11100
FEDERAL	209A	PB	26.0	CLAYB.	CB3118-12AR	1 1/4	1295	11500
REMINGTON	209P	PB	26.5	FED.	12S4	1 1/4	1295	10000
REMINGTON	209P	PB	28.0	FED.	12S4	1 1/4	1325	11100
REMINGTON	209P	PB	27.5	REM.	SP12	1 1/4	1270	9200
REMINGTON	209P	PB	29.0	REM.	SP12	1 1/4	1330	10500
REMINGTON	209P	PB	26.5	CLAYB.	CB3118-12AR	1 1/4	1275	9600
REMINGTON	209P	PB	28.0	CLAYB.	CB3118-12AR	1 1/4	1305	10200
WINCHESTER	209	PB	26.0	FED.	12S4	1 1/4	1275	10800
WINCHESTER	209	PB	27.5	FED.	12S4	1 1/4	1320	11500
WINCHESTER	209	PB	26.5	REM.	SP12	1 1/4	1280	9800
WINCHESTER	209	PB	28.0	REM.	SP12	1 1/4	1320	10600
WINCHESTER	209	PB	26.5	CLAYB.	CB3118-12AR	1 1/4	1270	10000
WINCHESTER	209	PB	28.0	CLAYB.	CB3118-12AR	1 1/4	1330	11400

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL								
FEDERAL	209A	SR7625	27.0	FED.	12S3	1 1/4	1270	10100
FEDERAL	209A	SR7625	29.0	FED.	12S3	1 1/4	1325	11000
FEDERAL	209A	SR2725	27.0	WIN.	WAA12	1 1/4	1275	10100
FEDERAL	209A	SR7625	28.5	WIN.	WAA12	1 1/4	1330	11400
FEDERAL	209A	SR7625	27.0	REM.	SP12	1 1/4	1280	10000
FEDERAL	209A	SR7625	28.5	REM.	SP12	1 1/4	1330	11000
FEDERAL	209A	SR7625	26.5	CLAYB.	CB3118-12AR	1 1/4	1320	10100
FEDERAL	209A	SR7625	28.0	CLAYB.	CB3118-12AR	1 1/4	1320	10800
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REMINGTON	209P	SR7625	28.0	FED.	12S3	1 1/4	1270	8900
REMINGTON	209P	SR7625	30.0	FED.	12S3	1 1/4	1330	9700
REMINGTON	209P	SR7625	29.0	DINJ.	WINDJAMMER	1 1/4	1280	8300
REMINGTON	209P	SR7625	30.5	WINJ.	WINDJAMMER	1 1/4	1325	9000
REMINGTON	209P	SR7625	29.0	REM.	SP12	1 1/4	1270	8200
REMINGTON	209P	SR7625	30.5	REM.	SP12	1 1/4	1315	8900
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WINCHESTER	209	SR7625	28.0	FED.	12S3	1 1/4	1270	9200
WINCHESTER	209	SR7625	30.0	FED.	12S3	1 1/4	1330	10300
WINCHESTER	209	SR7625	28.5	WINJ.	WINDJAMMER	1 1/4	1270	8300
WINCHESTER	209	SR7625	30.0	WINJ.	WINDJAMMER	1 1/4	1315	9000
WINCHESTER	209	SR7625	28.0	WIN.	WAA12	1 1/4	1270	9100
WINCHESTER	209	SR7625	29.5	WIN.	WAA12	1 1/4	1325	10200
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FEDERAL	209A	SR4756	30.0	FED.	12S4	1 1/4	1285	9700
FEDERAL	209A	SR4756	31.5	FED.	12S4	1 1/4	1330	10400
FEDERAL	209A	SR4756	30.5	WIN.	WAA12R	1 1/4	1285	8900
FEDERAL	209A	SR4756	31.5	WIN.	WAA12R	1 1/4	1325	9700
FEDERAL	209A	SR4756	30.0	REM.	SP12	1 1/4	1270	9000
FEDERAL	209A	SR4756	31.5	REM.	SP12	1 1/4	1325	9800
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REMINGTON	209P	SR4756	31.5	FED.	12S4	1 1/4	1220	7100
REMINGTON	209P	SR4756	33.0	FED.	12S4	1 1/4	1265	7600
REMINGTON	209P	SR4756	33.0	WIN.	WAA12R	1 1/4	1285	8000
REMINGTON	209P	SR4756	34.0	WIN.	WAA12R	1 1/4	1325	8900
REMINGTON	209P	SR4756	33.0	REM.	SP12	1 1/4	1315	7400
REMINGTON	209P	SR4756	35.0	REM.	SP12	1 1/4	1335	8300
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WINCHESTER	209	SR4756	31.0	FED.	12S4	1 1/4	1280	9100
WINCHESTER	209	SR4756	32.0	FED.	12S4	1 1/4	1325	9800
WINCHESTER	209	SR4756	30.5	WIN.	WAA12R	1 1/4	1275	8400
WINCHESTER	209	SR4756	32.0	WIN.	WAA12R	1 1/4	1315	8900
WINCHESTER	209	SR4756	32.0	REM.	RP12	1 1/4	1290	8800
WINCHESTER	209	SR4756	33.0	REM.	RP12	1 1/4	1330	9400
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FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S4	1 1/4	1280	9500
FEDERAL	209A	"HI-SKOR" 800-X	26.5	FED.	12S4	1 1/4	1335	10400
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1285	9200
FEDERAL	209A	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 1/4	1335	10100
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	SP12	1 1/4	1280	9100
FEDERAL	209A	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/4	1335	9900
FEDERAL	209A	"HI-SKOR" 800-X	26.0	CLAYB.	CB3118-12AR	1 1/4	1280	8900
FEDERAL	209A	"HI-SKOR" 800-X	27.5	CLAYB.	CB3118-12AR	1 1/4	1335	9800
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REMINGTON	209P	"HI-SKOR" 800-X	26.5	FED.	12S4	1 1/4	1285	8900
REMINGTON	209P	"HI-SKOR" 800-X	28.0	FED.	12S4	1 1/4	1335	9700
REMINGTON	209P	"HI-SKOR" 800-X	27.0	WIN.	WAA12	1 1/4	1275	7900
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WIN.	WAA12	1 1/4	1335	9000
REMINGTON	209P	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/4	1270	7700
REMINGTON	209P	"HI-SKOR" 800-X	29.0	REM.	SP12	1 1/4	1335	8500
REMINGTON	209P	"HI-SKOR" 800-X	27.0	CLAYB.	CB3118-12AR	1 1/4	1275	7700
REMINGTON	209P	"HI-SKOR" 800-X	29.0	CLAYB.	CB3118-12AR	1 1/4	1330	8500
<hr/>								
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S3	1 1/4	1280	8800
WINCHESTER	209	"HI-SKOR" 800-X	27.5	FED.	12S3	1 1/4	1330	9700
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 1/4	1265	8600
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 1/4	1330	9600
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1275	8200
WINCHESTER	209	"HI-SKOR" 800-X	27.5	REM.	SP12	1 1/4	1330	9100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	CLAYB.	CB3118-12AR	1 1/4	1270	8100
WINCHESTER	209	"HI-SKOR" 800-X	28.0	CLAYB.	CB3118-12AR	1 1/4	1335	9300

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL								
FEDERAL	209A	PB	22.5	WIN.	WAA12R	1 3/8	1170	10800
FEDERAL	209A	PB	22.5	REM.	SP12	1 3/8	1160	10900
REMINGTON	209P	PB	26.5	WIN.	WAA12R	1 3/8	1255	11000
REMINGTON	209P	PB	24.5	REM.	SP12	1 3/8	1205	11000
WINCHESTER	209	PB	24.0	WIN.	WAA12R	1 3/8	1200	11000
WINCHESTER	209	PB	23.5	REM.	SP12	1 3/8	1185	11100
FEDERAL	209A	SR7625	26.0	WIN.	WAA12R	1 3/8	1210	11000
FEDERAL	209A	SR7625	25.0	REM.	SP12	1 3/8	1180	11200
REMINGTON	209P	SR7625	28.5	WIN.	WAA12R	1 3/8	1255	11000
REMINGTON	209P	SR7625	28.0	REM.	RP12	1 3/8	1240	11100
WINCHESTER	209	SR7625	27.0	WIN.	WAA12R	1 3/8	1225	11000
WINCHESTER	209	SR7625	26.5	REM.	SP12	13/8	1210	11200
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 3/8	1280	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 3/8	1285	11000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S4	1 3/8	1240	10900
REMINGTON	209P	"HI-SKOR" 800-X	30.5	WIN.	WAA12R	1 3/8	1375	11000
REMINGTON	209P	"HI-SKOR" 800-X	32.0	REM.	SP12	1 3/8	1390	11000
REMINGTON	209P	"HI-SKOR" 800-X	27.0	FED.	12S4	1 3/8	1260	9700
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN.	WAA12R	1 3/8	1310	11000
WINCHESTER	209	"HI-SKOR" 800-X	29.0	REM.	SP12	1 3/8	1335	10900
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S4	1 3/8	1270	11000
FEDERAL	209A	SR4756	31.5	WIN.	WAA12R	1 3/8	1305	11000
FEDERAL	209A	SR4756	30.0	REM.	RP12	1 3/8	1265	10900
REMINGTON	209P	SR4756	35.0	WIN.	WA12R	1 3/8	1365	10500
REMINGTON	209P	SR4756	34.5	REM.	RP12	1 3/8	1350	10900
WINCHESTER	209	SR4756	34.0	WIN.	WAA12R	1 3/8	1335	11000
WINCHESTER	209	SR4756	33.0	REM.	RP12	1 3/8	1320	11200
FEDERAL	209A	SR7625	25.0	REM.	RP12	1 1/2	1140	11400
FEDERAL	209A	SR7625	25.5	WIN.	WAA12R	1 1/2	1150	11200
REMINGTON	209P	SR7625	27.5	REM.	RP12	1 1/2	1185	11100
REMINGTON	209P	SR7625	28.0	WIN.	WAA12R	1 1/2	1170	11000
WINCHESTER	209	SR7625	25.5	REM.	RP12	1 1/2	1140	11000
WINCHESTER	209	SR7625	26.5	WIN.	WAA12R	1 1/2	1160	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/2	1220	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 1/2	1215	11200
FEDERAL	209A	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/2	1180	11200
REMINGTON	209P	"HI-SKOR" 800-X	28.5	REM.	RP12	1 1/2	1265	11000
REMINGTON	209P	"HI-SKOR" 800-X	26.0	RED.	12S4	1 1/2	1190	10400
WINCHESTER	209	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/2	1225	11100
WINCHESTER	209	"HI-SKOR" 800-X	27.0	WIN.	WAA12R	1 1/2	1245	11000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	FED.	12S4	1 1/2	1170	11000
FEDERAL	209A	SR4756	27.5	REM.	RP12	1 1/2	1160	11000
FEDERAL	209A	SR4756	28.0	WIN.	WAA12R	1 1/2	1175	11100
REMINGTON	209P	SR4756	30.5	REM.	RP12	1 1/2	1220	11100
REMINGTON	209P	SR4756	30.0	WIN.	WAA12R	1 1/2	1165	9000
WINCHESTER	209	SR4756	28.5	REM.	RP12	1 1/2	1175	11000
WINCHESTER	209	SR4756	30.0	WIN.	WAA12R	1 1/2	1205	10800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: FEDERAL 3" PLASTIC HUNTING CASE PAPER BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	29.0	REM.	R12H	1 1/2	1270	10700
FEDERAL	209A	"HI-SKOR" 800-X	27.5	FED.	12S4	1 1/2	1230	10800
REMINGTON	209P	"HI-SKOR" 800-X	33.0	REM.	R12H	1 1/2	1335	10600
REMINGTON	209P	"HI-SKOR" 800-X	31.0	FED.	12S4	1 1/2	1290	10600
WINCHESTER	209	"HI-SKOR" 800-X	30.0	REM.	R12H	1 1/2	1300	10500
WINCHESTER	209	"HI-SKOR" 800-X	29.0	FED.	12S4	1 1/2	1260	10600
FEDERAL	209A	SR4756	33.0	WIN.	WAA12R	1 1/2	1255	10700
FEDERAL	209A	SR4756	33.5	REM.	RP12	1 1/2	1285	10800
REMINGTON	209P	SR4756	37.0	WIN.	WAA12R	1 1/2	1305	9600
REMINGTON	209P	SR4756	37.0	REM.	RP12	1 1/2	1295	9100
WINCHESTER	209	SR4756	37.0	WIN.	WAA12R	1 1/2	1315	10400
WINCHESTER	209	SR4756	37.0	REM.	RP12	1 1/2	1305	9900
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 5/8	1175	10800
FEDERAL	209A	"HI-SKOR" 800-X	26.0	REM.	SP12	1 5/8	1175	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	27.5	WIN.	WAA12R	1 5/8	1200	10900
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0	REM.	SP12	1 5/8	1200	10800
WINCHESTER	209	"HI-SKOR" 800-X	28.5	WIN.	WAA12R	1 5/8	1230	11000
WINCHESTER	209	"HI-SKOR" 800-X	29.0	REM.	SP12	1 5/8	1230	10900
FEDERAL	209A	SR4756	31.0	WIN.	WAA12R	1 5/8	1185	10800
FEDERAL	209A	SR4756	31.0	REM.	RP12	1 5/8	1185	11000
REMINGTON	209PSTS	SR4756	35.5	WIN.	WAA12R	1 5/8	1250	10900
REMINGTON	209PSTS	SR4756	34.5	REM.	RP12	1 5/8	1235	10800
WINCHESTER	209	SR4756	35.5	WIN.	WAA12R	1 5/8	1260	10800
WINCHESTER	209	SR4756	36.0	REM.	RP12	1 5/8	1260	10800
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN.	WAA12R	1 3/4	1130	10700
FEDERAL	209A	"HI-SKOR" 800-X	25.0	REM.	RP12	1 3/4	1115	10800
REMINGTON	209P	"HI-SKOR" 800-X	28.0	WIN.	WAA12R	1 3/4	1175	10600
REMINGTON	209P	"HI-SKOR" 800-X	28.0	REM.	RP12	1 3/4	1170	10500
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN.	WAA12R	1 3/4	1165	10800
WINCHESTER	209	"HI-SKOR" 800-X	27.5	REM.	RP12	1 3/4	1155	10600
SHELL: REMINGTON 2 3/4" PREMIER RTL								
REMINGTON	209P	PB	23.0	REM.	SP12	1 1/4	1215	10600
REMINGTON	209P	PB	24.5	REM.	SP12	1 1/4	1270	11500
FEDERAL	209A	SR7625	24.0	REM.	SP12	1 1/4	1215	10600
FEDERAL	209A	SR7625	25.5	REM.	SP12	1 1/4	1265	11500
FEDERAL	209A	SR7625	24.0	WIN.	WAA12R	1 1/4	1210	9900
FEDERAL	209A	SR7625	26.0	WIN.	WAA12R	1 1/4	1280	11300
REMINGTON	209P	SR7625	27.5	REM.	SP12	1 1/4	1280	10600
REMINGTON	209P	SR7625	28.5	REM.	SP12	1 1/4	1330	11500
REMINGTON	209P	SR7625	27.0	WIN.	WAA12R	1 1/4	1280	10300
REMINGTON	209P	SR7625	28.5	WIN.	WAA12R	1 1/4	1335	11400
WINCHESTER	209	SR7625	26.5	REM.	SP12	1 1/4	1280	10800
WINCHESTER	209	SR7625	27.5	REM.	SP12	1 1/4	1315	11500
WINCHESTER	209	SR7625	27.0	WIN.	WAA12R	1 1/4	1280	10200
WINCHESTER	209	SR7625	29.0	WIN.	WAA12R	1 1/4	1340	11500
FEDERAL	209A	SR4756	26.5	REM.	RP12	1 1/4	1235	10500
FEDERAL	209A	SR4756	28.0	REM.	RP12	1 1/4	1300	11500
FEDERAL	209A	SR4756	28.0	WIN.	WAA12R	1 1/4	1270	10600
FEDERAL	209A	SR4756	29.0	WIN.	WAA12R	1 1/4	1315	11400
FEDERAL	209A	SR4756	26.5	FED.	12S4	1 1/4	1230	10700
FEDERAL	209A	SR4756	27.5	FED.	12S4	1 1/4	1270	11400
REMINGTON	209P	SR4756	30.0	REM.	SP12	1 1/4	1275	9300
REMINGTON	209P	SR4756	31.5	REM.	SP12	1 1/4	1335	10400

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER RTL								
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	FIG8	1 1/4	1270	10200
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	FIG8	1 1/4	1325	11100
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WINJ.	WINDJAMMER	1 1/4	1275	9900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WINJ.	WINDJAMMER	1 1/4	1330	10900
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/4	1275	11400
FEDERAL	209A	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/4	1275	11200
REMINGTON	209P	"HI-SKOR" 800-X	24.5	REM.	SP12	1 1/4	1265	9500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1320	10200
REMINGTON	209P	"HI-SKOR" 800-X	25.0	WINJ.	WINDJAMMER	1 1/4	1265	9000
REMINGTON	209P	"HI-SKOR" 800-X	26.5	WINJ.	WINDJAMMER	1 1/4	1325	10000
REMINGTON	209P	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1275	10300
REMINGTON	209P	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1325	11100
REMINGTON	209P	"HI-SKOR" 800-X	24.5	FED.	12S3	1 1/4	1270	10500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	FED.	12S3	1 1/4	1320	11400
WINCHESTER	209	"HI-SKOR" 800-X	24.5	REM.	SP12	1 1/4	1280	10100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1335	11000
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WINJ.	WINDJAMMER	1 1/4	1275	9700
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1285	11000
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 1/4	1320	11500
WINCHESTER	209	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/4	1275	10600
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1330	11500
FEDERAL	209A	PB	19.5	WIN.	WAA12R	1 3/8	1105	10900
FEDERAL	209A	PB	19.5	REM.	SP12	1 3/8	1090	11000
REMINGTON	209P	PB	21.5	WIN.	WAA12R	1 3/8	1150	10900
REMINGTON	209P	PB	21.0	REM.	SP12	1 3/8	1130	11000
WINCHESTER	209	PB	21.5	WIN.	WAA12R	1 3/8	1145	11000
WINCHESTER	209	PB	20.5	REM.	RP12	1 3/8	1120	11100
FEDERAL	209A	SR7625	21.5	WIN.	WAA12R	1 3/8	1100	10800
FEDERAL	209A	SR7625	22.0	REM.	SP12	1 3/8	1110	11200
REMINGTON	209P	SR7625	25.0	WIN.	WAA12R	1 3/8	1185	11000
REMINGTON	209P	SR7625	24.5	REM.	RP12	1 3/8	1165	10800
WINCHESTER	209	SR7625	23.5	WIN.	WAA12R	1 3/8	1145	10900
WINCHESTER	209	SR7625	23.0	REM.	RP12	1 3/8	1140	11100
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WIN.	WAA12R	1 3/8	1215	11000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	RP12	1 3/8	1205	11000
FEDERAL	209A	"HI-SKOR" 800-X	21.5	FED.	12S4	1 3/8	1155	10900
REMINGTON	209P	"HI-SKOR" 800-X	25.5	WIN.	WAA12R	1 3/8	1270	11100
REMINGTON	209P	"HI-SKOR" 800-X	26.5	REM.	SP12	1 3/8	1275	11000
REMINGTON	209P	"HI-SKOR" 800-X	24.0	FED.	12S4	1 3/8	1225	11100
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12R	1 3/8	1240	10900
WINCHESTER	209	"HI-SKOR" 800-X	24.0	REM.	SP12	1 3/8	1230	11000
WINCHESTER	209	"HI-SKOR" 800-X	22.5	FED.	12S3	1 3/8	1180	11100
FEDERAL	209A	SR4756	26.0	WIN.	WAA12R	1 3/8	1205	11100
FEDERAL	209A	SR4756	26.0	REM.	SP12	1 3/8	1175	11000
REMINGTON	209P	SR4756	30.5	WIN.	WAA12R	1 3/8	1290	11100
REMINGTON	209P	SR4756	30.0	REM.	SP12	1 3/8	1260	10900
WINCHESTER	209	SR4756	28.5	WIN.	WAA12R	1 3/8	1230	10900
WINCHESTER	209	SR4756	29.0	REM.	RP12	1 3/8	1250	11100
FEDERAL	209A	SR7625	21.0	REM.	RP12	1 1/2	1040	11000
FEDERAL	209A	SR7625	21.5	WIN.	WAA12R	1 1/2	1055	11000
REMINGTON	209P	SR7625	23.5	REM.	RP12	1 1/2	1090	11200
REMINGTON	209P	SR7625	23.5	WIN.	WAA12R	1 1/2	1085	11000
WINCHESTER	209	SR7625	22.5	REM.	RP12	1 1/2	1080	11200
WINCHESTER	209	SR7625	23.0	WIN.	WAA12R	1 1/2	1080	11000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

MFR.	PRIMER		IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION				
SHELL: REMINGTON 2 3/4" PREMIER RTL									
FEDERAL	209A	"HI-SKOR" 800-X	22.0	REM.	RP12	1 1/2	1130	11200	
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12R	1 1/2	1140	11300	
REMINGTON	209P	"HI-SKOR" 800-X	23.0	REM.	RP12	1 1/2	1155	11200	
REMINGTON	209P	"HI-SKOR" 800-X	23.5	WIN.	WAA12R	1 1/2	1170	11200	
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	RP12	1 1/2	1140	11300	
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12R	1 1/2	1150	11200	
FEDERAL	209A	SR4756	23.5	REM.	RP12	1 1/2	1075	11000	
FEDERAL	209A	SR4756	24.0	WIN.	WAA12R	1 1/2	1090	11000	
REMINGTON	209P	SR4756	27.0	REM.	RP12	1 1/2	1150	11200	
REMINGTON	209P	SR4756	27.5	WIN.	WAA12R	1 1/2	1160	11000	
WINCHESTER	209	SR4756	25.5	REM.	RP12	1 1/2	1115	11000	
WINCHESTER	209	SR4756	26.5	WIN.	WAA12R	1 1/2	1130	11200	
SHELL: REMINGTON 3" NITRO PLASTIC BASEWAD									
WINCHESTER	209	SR7625	33.5	REM.	SP12	1 1/2	1280	10700	
WINCHESTER	209	SR7625	34.0	REM.	RXP12	1 1/2	1285	10600	
WINCHESTER	209	SR4756	38.5	REM.	SP12	1 1/2	1345	10500	
WINCHESTER	209	"HI-SKOR" 800-X	29.5	WIN.	WAA12	1 1/2	1285	10800	
WINCHESTER	209	"HI-SKOR" 800-X	30.5	REM.	SP12	1 1/2	1300	10600	
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 5/8	1160	10900	
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	R12H	1 5/8	1160	10900	
REMINGTON	209PSTS	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 5/8	1205	10800	
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0	REM.	SP12	1 5/8	1210	10900	
WINCHESTER	209	"HI-SKOR" 800-X	28.0	WIN.	WAA12	1 5/8	1210	10800	
WINCHESTER	209	"HI-SKOR" 800-X	28.0	REM.	SP12	1 5/8	1210	10800	
FEDERAL	209A	SR4756	30.0	WIN.	WAA12R	1 5/8	1180	11000	
FEDERAL	209A	SR4756	30.5	REM.	RP12	1 5/8	1175	10900	
REMINGTON	209PSTS	SR4756	34.0	WIN.	WAA12R	1 5/8	1240	10900	
REMINGTON	209PSTS	SR4756	34.0	REM.	RP12	1 5/8	1235	10900	
WINCHESTER	209	SR4756	35.0	WIN.	WAA12R	1 5/8	1250	11000	
WINCHESTER	209	SR4756	33.5	REM.	RP12	1 5/8	1230	10800	
SHELL: WINCHESTER 2 3/4" AA									
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WINJ.	WINDJAMMER	1 1/4	1140	11500	
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WINJ.	WINDJAMMER	1 1/4	1200	11200	
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WINJ.	WINDJAMMER	1 1/4	1150	11400	
WINCHESTER	209	PB	23.5	WIN.	WAA12R	1 1/4	1220	10500	
WINCHESTER	209	PB	25.0	WIN.	WAA12R	1 1/4	1270	11500	
FEDERAL	209A	SR7625	26.5	WIN.	WAA12R	1 1/4	1285	10900	
FEDERAL	209A	SR7625	27.5	WIN.	WAA12R	1 1/4	1320	11500	
FEDERAL	209A	SR7625	26.0	REM.	SP12	1 1/4	1275	11000	
FEDERAL	209A	SR7625	27.0	REM.	SP12	1 1/4	1310	11500	
REMINGTON	209P	SR7625	28.0	WIN.	WAA12R	1 1/4	1270	9100	
REMINGTON	209P	SR7625	29.5	WIN.	WAA12R	1 1/4	1325	10300	
REMINGTON	209P	SR7625	28.0	REM.	SP12	1 1/4	1290	10200	
REMINGTON	209P	SR7625	29.0	REM.	SP12	1 1/4	1325	10900	
REMINGTON	209P	SR7625	26.5	FED.	12S4	1 1/4	1265	10700	
REMINGTON	209P	SR7625	28.0	FED.	12S4	1 1/4	1315	11500	
WINCHESTER	209	SR7625	27.0	WIN.	WAA12	1 1/4	1275	11000	
WINCHESTER	209	SR7625	28.0	WIN.	WAA12	1 1/4	1310	11500	
WINCHESTER	209	SR7625	27.5	REM.	SP12	1 1/4	1275	10300	
WINCHESTER	209	SR7625	29.0	REM.	SP12	1 1/4	1325	11400	
WINCHESTER	209	SR7625	25.0	FED.	12S4	1 1/4	1215	10200	
WINCHESTER	209	SR7625	26.5	FED.	12S4	1 1/4	1270	11400	
FEDERAL	209A	SR4756	28.5	WIN.	WAA12R	1 1/4	1280	10600	
FEDERAL	209A	SR4756	30.0	WIN.	WAA12R	1 1/4	1330	11500	
FEDERAL	209A	SR4756	26.0	FED.	12S4	1 1/4	1225	10700	
FEDERAL	209A	SR4756	27.5	FED.	12S4	1 1/4	1270	11500	
FEDERAL	209A	SR4756	28.5	REM.	SP12	1 1/4	1285	10800	
FEDERAL	209A	SR4756	29.5	REM.	SP12	1 1/4	1325	11500	

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: WINCHESTER 2 3/4" AA								
REMINGTON	209P	SR4756	31.5	WIN.	WAA12R	1 1/4	1270	8200
REMINGTON	209P	SR4756	33.0	WIN.	WAA12R	1 1/4	1330	9000
REMINGTON	209P	SR4756	29.5	FED.	12S4	1 1/4	1230	8400
REMINGTON	209P	SR4756	30.5	REM.	RP12	1 1/4	1275	9600
REMINGTON	209P	SR4756	31.5	REM.	RP12	1 1/4	1330	10600
WINCHESTER	209	SR4756	30.5	WIN.	WAA12R	1 1/4	1280	9400
WINCHESTER	209	SR4756	32.0	WIN.	WAA12R	1 1/4	1335	10300
WINCHESTER	209	SR4756	26.5	FED.	12S4	1 1/4	1180	9000
WINCHESTER	209	SR4756	27.5	FED.	12S4	1 1/4	1220	9500
WINCHESTER	209	SR4756	30.0	REM.	SP12	1 1/4	1285	10000
WINCHESTER	209	SR4756	31.5	REM.	SP12	1 1/4	1340	11000
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1270	10400
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1325	11400
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WINJ.	WINDJAMMER	1 1/4	1270	9300
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WINJ.	WINDJAMMER	1 1/4	1320	10000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	REM.	SP12	1 1/4	1275	9800
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/4	1325	10700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/4	1270	10600
FEDERAL	209A	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1325	11500
REMINGTON	209P	"HI-SKOR" 800-X	27.0	WIN.	WAA12	1 1/4	1275	8200
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WIN.	WAA12	1 1/4	1335	9600
REMINGTON	209P	"HI-SKOR" 800-X	26.0	WINJ.	WINDJAMMER	1 1/4	1270	8100
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WINJ.	WINDJAMMER	1 1/4	1325	9000
REMINGTON	209P	"HI-SKOR" 800-X	27.5	REM.	SP12	1 1/4	1280	7800
REMINGTON	209P	"HI-SKOR" 800-X	29.0	REM.	SP12	1 1/4	1325	8500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1265	8600
REMINGTON	209P	"HI-SKOR" 800-X	27.5	FED.	12S4	1 1/4	1320	9600
WINCHESTER	209	"HI-SKOR" 800-X	25.0	WIN.	WAA12	1 1/4	1270	9900
WINCHESTER	209	"HI-SKOR" 800-X	26.5	WIN.	WAA12	1 1/4	1320	10700
WINCHESTER	209	"HI-SKOR" 800-S	25.5	WINJ.	WINDJAMMER	1 1/4	1275	9000
WINCHESTER	209	"HI-SKOR" 800-X	27.0	WINJ.	WINDJAMMER	1 1/4	1330	10000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	REM.	SP12	1 1/4	1270	9400
WINCHESTER	209	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/4	1325	10200
WINCHESTER	209	"HI-SKOR" 800-X	25.0	FED.	12S3	1 1/4	1275	10000
WINCHESTER	209	"HI-SKOR" 800-X	26.5	FED.	12S3	1 1/4	1330	10900
FEDERAL	209A	PB	20.0	WIN.	WAA12R	1 3/8	1105	11200
FEDERAL	209A	PB	19.5	REM.	RP12	1 3/8	1090	11100
REMINGTON	209P	PB	22.5	WIN.	WAA12R	1 3/8	1165	11100
REMINGTON	209P	PB	22.0	REM.	RP12	1 3/8	1150	11200
WINCHESTER	209	PB	21.0	WIN.	WAA12R	1 3/8	1125	10900
WINCHESTER	209	PB	20.5	REM.	SP12	1 3/8	1115	11100
FEDERAL	209A	SR7625	22.5	WIN.	WAA12R	1 3/8	1130	11000
FEDERAL	209A	SR7625	23.0	REM.	SP12	1 3/8	1130	11100
REMINGTON	209P	SR7625	26.0	WIN.	WAA12R	1 3/8	1190	11000
REMINGTON	209P	SR7625	24.5	REM.	SP12	1 3/8	1155	10900
WINCHESTER	209	SR7625	24.0	WIN.	WAA12R	1 3/8	1155	11200
WINCHESTER	209	SR7625	24.0	REM.	SP12	1 3/8	1150	10900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN.	WAA12R	1 3/8	1260	11000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	REM.	SP12	1 3/8	1245	11100
FEDERAL	209A	"HI-SKOR" 800-X	22.5	FED.	12S4	1 3/8	1180	11100
REMINGTON	209P	"HI-SKOR" 800-X	29.0	WIN.	WAA12R	1 3/8	1320	10100
REMINGTON	209P	"HI-SKOR" 800-X	30.0	REM.	RP12	1 3/8	1345	11200
REMINGTON	209P	"HI-SKOR" 800-X	27.0	FED.	12S4	1 3/8	1280	11100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 3/8	1275	11000
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 3/8	1270	11100
WINCHESTER	209	"HI-SKOR" 800-X	23.5	FED.	12S4	1 3/8	1200	11100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions; to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: WINCHESTER 2 3/4" AA								
FEDERAL	209A	SR4756	27.0	WIN.	WAA12R	1 3/8	1185	10900
FEDERAL	209A	SR4756	27.5	REM.	SP12	1 3/8	1210	11200
REMINGTON	209P	SR4756	32.0	WIN.	WAA12R	1 3/8	1290	10600
REMINGTON	209P	SR4756	31.0	REM.	RP12	1 3/8	1265	10900
WINCHESTER	209	SR4756	30.0	WIN.	WAA12R	1 3/8	1165	11200
WINCHESTER	209	SR4756	28.5	REM.	SP12	1 3/8	1230	11000
SHELL: WINCHESTER 3" AA PLASTIC BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	28.0	WIN.	WAA12	1 5/8	1210	10800
FEDERAL	209A	"HI-SKOR" 800-X	28.5	REM.	RXP12	1 5/8	1220	11000
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	WIN.	WAA12	1 5/8	1250	10900
REMINGTON	209PSTS	"HI-SKOR" 800-X	31.5	REM.	RXP12	1 5/8	1265	11000
WINCHESTER	209	"HI-SKOR" 800-X	30.5	WIN.	WAA12	1 5/8	1260	11000
WINCHESTER	209	"HI-SKOR" 800-X	30.5	REM.	RXP12	1 5/8	1255	11000
FEDERAL	209A	SR4756	31.0	WIN.	WAA12F114	1 5/8	1180	10800
FEDERAL	209A	SR4756	33.0	REM.	SP12	1 5/8	1225	10900
REMINGTON	209PSTS	SR4756	37.5	2IN.	WAA12R	1 5/8	1290	11000
REMINGTON	209PSTS	SR4756	35.5	REM.	RP12	1 5/8	1265	10900
WINCHESTER	209	SR4756	38.5	WIN.	WAA12R	1 5/8	1295	10900
WINCHESTER	209	SR4756	37.5	REM.	RP12	1 5/8	1290	11000

16 GAUGE FIELD RELOADING DATA

PRIMER		IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: FEDERAL 2 3/4" GAME								
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WIN.	WAA16	1	1175	11000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA16	1	1210	11200
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA16	1	1195	11200
FEDERAL	209A	PB	21.5	WIN.	WAA16	1	1280	11000
REMINGTON	209P	PB	25.0	REM.	SP16	1	1360	11200
WINCHESTER	209	PB	23.5	WIN.	WAA16	1	1330	11200
FEDERAL	209A	SR7625	24.5	WIN.	WAA16	1	1340	11000
REMINGTON	209P	SR7625	26.5	REM.	SP16	1	1375	10400
WINCHESTER	209	SR7625	25.0	WIN.	WAA16	1	1330	9900
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1385	10400
REMINGTON	209P	"HI-SKOR" 800-X	25.0	REM.	SP16	1	1350	8300
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA16	1	1390	10200
FEDERAL	209A	SR4756	25.0	WIN.	WAA16	1	1240	8500
REMINGTON	209P	SR4756	27.0	REM.	SP16	1	1210	6400
WINCHESTER	209	SR4756	25.0	WIN.	WAA16	1	1210	7200
FEDERAL	209A	PB	19.0	REM.	SP16	1 1/8	1145	10800
REMINGTON	209P	PB	21.0	REM.	SP16	1 1/8	1205	10500
WINCHESTER	209	PB	20.5	REM.	SP16	1 1/8	1195	11000
FEDERAL	209A	SR7625	22.0	REM.	SP16	1 1/8	1220	11000
REMINGTON	209P	SR7625	23.0	REM.	SP16	1 1/8	1200	9000
WINCHESTER	209	SR7625	23.0	REM.	SP16	1 1/8	1240	10800
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	SP16	1 1/8	1285	11000
REMINGTON	209P	"HI-SKOR" 800-X	24.5	REM.	SP16	1 1/8	1310	10100
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	SP16	1 1/8	1285	10800
FEDERAL	209A	SR4756	23.0	REM.	SP16	1 1/8	1150	8400
REMINGTON	209P	SR4756	23.0	REM.	SP16	1 1/8	1045	6200
WINCHESTER	209	SR4756	23.0	REM.	SP16	1 1/8	1120	7700

16 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" GAME (BLACK)								
FEDERAL	209A	"HI-SKOR" 700-X	13.0	WIN.	WAA16	1	1095	11000
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA16	1	1150	11000
WINCHESTER	209	"HI-SKOR" 700-X	13.5	WIN.	WAA16	1	1120	11200
FEDERAL	209A	PB	17.5	REM.	SP16	1	1180	11200
REMINGTON	209P	PB	20.0	REM.	SP16	1	1240	10700
WINCHESTER	209	PB	19.0	WIN.	WAA16	1	1210	11000
FEDERAL	209A	SR7625	21.0	REM.	SP16	1	1250	11200
REMINGTON	209P	SR7625	23.5	REM.	SP16	1	1310	11200
WINCHESTER	209	SR7625	22.5	WIN.	WAA16	1	1285	11200
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	SP16	1	1295	11200
REMINGTON	209P	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1390	11100
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WIN.	WAA16	1	1315	11000
FEDERAL	209A	SR4756	23.5	REM.	SP16	1	1280	11000
REMINGTON	209P	SR4756	29.0	REM.	SP16	1	1380	10100
WINCHESTER	209	SR4756	22.0	WIN.	WAA16	1	1160	8200
FEDERAL	209A	PB	16.5	REM.	SP16	1 1/8	1090	11000
REMINGTON	209P	PB	18.5	REM.	SP16	1 1/8	1140	11000
WINCHESTER	209	PB	18.0	REM.	SP16	1 1/8	1120	11100
FEDERAL	209A	SR7625	19.5	REM.	SP16	1 1/8	1140	11000
REMINGTON	209P	SR7625	22.0	REM.	SP16	1 1/8	1210	11000
WINCHESTER	209	SR7625	21.0	REM.	SP16	1 1/8	1180	10900
FEDERAL	209A	"HI-SKOR" 800-X	19.0	REM.	SP16	1 1/8	1195	10800
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP16	1 1/8	1240	10800
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	SP16	1 1/8	1220	10900
FEDERAL	209A	SR4756	22.0	REM.	SP16	1 1/8	1185	10900
REMINGTON	209P	SR4756	24.0	REM.	SP16	1 1/8	1175	9500
WINCHESTER	209	SR4756	23.5	REM.	SP16	1 1/8	1220	11000
SHELL: WINCHESTER 2 3/4" X-PERT								
FEDERAL	209A	"HI-SKOR" 700-X	12.5	WIN.	WAA16	1	1085	11000
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA16	1	1145	11000
WINCHESTER	209	"HI-SKOR" 700-X	13.0	WIN.	WAA16	1	1105	11000
FEDERAL	209A	PB	19.5	WIN.	WAA16	1	1240	11200
REMINGTON	209P	PB	21.0	REM.	SP16	1	1265	10800
WINCHESTER	209	PB	19.0	WIN.	WAA16	1	1220	10900
FEDERAL	209A	SR7625	20.5	WIN.	WAA16	1	1230	10900
REMINGTON	209P	SR7625	23.0	REM.	SP16	1	1290	11200
WINCHESTER	209	SR7625	22.0	WIN.	WAA16	1	1270	11000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA16	1	1350	10800
REMINGTON	209P	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1350	9000
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA16	1	1360	11200
FEDERAL	209A	SR4756	22.5	REM.	SP16	1	1245	10900
REMINGTON	209P	SR4756	27.0	REM.	SP16	1	1335	9900
WINCHESTER	209	SR4756	21.0	WIN.	WAA16	1	1130	7800
FEDERAL	209A	PB	16.0	REM.	SP16	1 1/8	1075	11100
REMINGTON	209P	PB	18.5	REM.	SP16	1 1/8	1145	11100
WINCHESTER	209	PB	17.0	REM.	SP16	1 1/8	1100	10800
FEDERAL	209A	SR7625	18.0	REM.	SP16	1 1/8	1100	10800
REMINGTON	209P	SR7625	19.5	REM.	SP16	1 1/8	1160	10900
WINCHESTER	209	SR7625	19.0	REM.	SP16	1 1/8	1140	10900
FEDERAL	209A	"HI-SKOR" 800-X	19.0	REM.	SP16	1 1/8	1180	10900
REMINGTON	209P	"HI-SKOR" 800-X	22.0	REM.	SP16	1 1/8	1245	10100
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	SP16	1 1/8	1210	11000
FEDERAL	209A	SR4756	20.5	REM.	SP16	1 1/8	1150	10800
REMINGTON	209P	SR4756	23.0	REM.	SP16	1 1/8	1150	8900
WINCHESTER	209	SR4756	22.5	REM.	SP16	1 1/8	1200	11100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

20 GAUGE FIELD RELOADING DATA

PRIMER		IMR POWDER		WAD COLUMN		LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION			
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
FEDERAL	209A	SR7625	19.0	WIN.	WAA20F1	1	1205	11700
REMINGTON	209P	SR7625	21.0	REM.	SP20	1	1240	11400
WINCHESTER	209	SR7625	20.5	WIN.	WAA20F1	1	1235	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	20S1	1	1255	11500
FEDERAL	209A	"HI-SKOR" 800-X	18.5	REM.	SP20	1	1245	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.0	WIN.	WAA20F1	1	1270	11800
REMINGTON	209P	"HI-SKOR" 800-X	20.0	FED.	20S1	1	1275	11100
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP20	1	1320	11400
REMINGTON	209P	"HI-SKOR" 800-X	21.0	WIN.	WAA20F1	1	1330	11600
WINCHESTER	209	"HI-SKOR" 800-X	19.5	FED.	20S1	1	1270	11600
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	SP20	1	1290	11700
WINCHESTER	209	"HI-SKOR" 800-X	19.5	WIN.	WAA20F1	1	1285	11500
SHELL: FEDERAL3" MAGNUM PAPER BASE WAD								
FEDERAL	209A	PB	17.0	FED.	20S1	1 1/8	1080	11300
FEDERAL	209A	PB	18.0	REM.	RXP20	1 1/8	1130	11500
FEDERAL	209A	PB	17.5	2IN.	WAA20	1 1/8	1110	11600
REMINGTON	209P	PB	19.0	FED.	20S1	1 1/8	1140	11600
REMINGTON	209P	PB	20.0	REM.	RXP20	1 1/8	1175	11400
WINCHESTER	209	PB	19.0	FED.	20S1	1 1/8	1160	11700
WINCHESTER	209	PB	18.0	REM.	RXP20	1 1/8	1120	11400
WINCHESTER	209	PB	17.0	WIN.	WAA20	1 1/8	1090	11400
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	20S1	1 1/8	1200	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.5	REM.	RXP20	1 1/8	1215	11500
FEDERAL	209A	"HI-SKOR" 800-X	19.5	WIN.	WAA20	1 1/8	1210	11500
REMINGTON	209P	"HI-SKOR" 800-X	22.0	FED.	20S1	1 1/8	1275	11700
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP20	1 1/8	1255	11600
REMINGTON	209P	"HI-SKOR" 800-X	22.0	WIN.	WAA20	1 1/8	1275	11400
WINCHESTER	209	"HI-SKOR" 800-X	19.5	FED.	20S1	1 1/8	1210	11600
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	SP20	1 1/8	1210	11500
WINCHESTER	209	"HI-SKOR" 800-X	19.0	WIN.	WAA20	1 1/8	1200	11400
FEDERAL	209A	SR4756	21.0	FED.	20S1	1 1/8	1165	11400
FEDERAL	209A	SR4756	21.5	REM.	SP20	1 1/8	1190	11700
FEDERAL	209A	SR4756	20.5	WIN.	WAA20	1 1/8	1160	11700
REMINGTON	209P	SR4756	24.0	FED.	20S1	1 1/8	1235	11200
REMINGTON	209P	SR4756	24.5	REM.	SP20	1 1/8	1250	11200
REMINGTON	209P	SR4756	24.0	WIN.	WAA20	1 1/8	1240	11000
WINCHESTER	209	SR4756	21.5	FED.	20S1	1 1/8	1185	11300
WINCHESTER	209	SR4756	23.0	REM.	SP20	1 1/8	1215	11500
WINCHESTER	209	SR4756	22.5	WIN.	WAA20	1 1/8	1215	11700
FEDERAL	209A	"HI-SKOR" 800-X	17.5	REM.	SP20	1 1/4	1095	11500
FEDERAL	209A	"HI-SKOR" 800-X	18.0	WIN.	WAA20F1	1 1/4	1115	11700
REMINGTON	209P	"HI-SKOR" 800-X	19.5	REM.	SP20	1 1/4	1155	11400
REMINGTON	209P	"HI-SKOR" 800-X	20.0	WIN.	WAA20F1	1 1/4	1170	11000
WINCHESTER	209	"HI-SKOR" 800-X	18.0	REM.	SP20	1 1/4	1105	11400
WINCHESTER	209	"HI-SKOR" 800-X	18.5	WIN.	WAA20F1	1 1/4	1130	11400
SHELL: REMINGTON 2 3/4" PREMIER (RTL)								
FEDERAL	209A	SR7625	14.5	WIN.	WAA20F1	1	1060	11400
FEDERAL	209A	SR7625	14.5	REM.	SP20	1	1055	11500
REMINGTON	209P	SR7625	16.5	WIN.	WAA20F1	1	1125	11800
REMINGTON	209P	SR7625	16.0	REM.	SP20	1	1105	11600
WINCHESTER	209	SR7626	16.0	WIN.	WAA20F1	1	1110	11800
WINCHESTER	209	SR7625	16.0	REM.	SP20	1	1105	11400
FEDERAL	209A	"HI-SKOR" 800-X	15.0	FED.	20S1	1	1115	11400
FEDERAL	209A	"HI-SKOR" 800-X	16.0	REM.	SP20	1	1170	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.5	WIN.	WAA20F1	1	1150	11800
REMINGTON	209P	"HI-SKOR" 800-X	16.0	FED.	20S1	1	1160	11200
REMINGTON	209P	"HI-SKOR" 800-X	17.5	REM.	SP20	1	1220	11900
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WIN.	WAA20F1	1	1205	11700

20 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER		IMR POWDER		WAD COLUMN		LEAD	MUZZLE	CHAMBER
MFR.	NO.	DESIGNATION	GRAINS	MFR.	DESIGNATION	SHOT (OZ.)	VELOCITY (FT/SEC)	PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER (RTL)								
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	1	1160	11700
WINCHESTER	209	"HI-SKOR" 800-X	17.0	REM.	RXP20	1	1200	11800
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WIN.	WAA20F1	1	1185	11800
FEDERAL	209A	SR4756	17.0	REM.	SP20	1	1125	11800
REMINGTON	209P	SR4756	19.5	REM.	SP20	1	1185	11500
WINCHESTER	209	SR4756	18.5	REM.	SP20	1	1160	11700
SHELL: REMINGTON 3" UNIBODY								
FEDERAL	209A	"HI-SKOR" 800-X	15.5	FED.	20C1	1 1/8	1095	11600
FEDERAL	209A	"HI-SKOR" 800-X	15.5	REM.	SP20	1 1/8	1105	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.5	WIN.	WAA20	1 1/8	1095	11600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	FED.	20C1	1 1/8	1145	11600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	REM.	SP20	1 1/8	1150	11700
REMINGTON	209P	"HI-SKOR" 800-X	16.0	WIN.	WAA20	1 1/8	1110	11100
WINCHESTER	209	"HI-SKOR" 800-X	16.5	FED.	20C1	1 1/8	1120	11500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	REM.	SP20	1 1/8	1100	11600
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WIN.	WAA20	1 1/8	1110	11600
SHELL: REMINGTON 3" UNIBODY								
FEDERAL	209A	"HI-SKOR" 800-X	14.5	REM.	SP20	1 1/4	1020	11700
REMINGTON	209P	"HI-SKOR" 800-X	16.0	REM.	SP20	1 1/4	1070	11700
WINCHESTER	209	"HI-SKOR" 800-X	15.0	REM.	SP20	1 1/4	1035	11600
SHELL: WINCHESTER 2 3/4" SUPER-X								
FEDERAL	209A	SR7625	14.0	WIN.	WAA20F1	1	1040	11400
FEDERAL	209A	SR7625	14.5	REM.	RXP20	1	1060	11600
REMINGTON	209P	SR7625	15.0	WIN.	WAA20F1	1	1065	10900
REMINGTON	209P	SR7625	15.0	REM.	RXP20	1	1050	9800
WINCHESTER	209	SR7625	14.5	WIN.	WAA20F1	1	1060	11400
WINCHESTER	209	SR7625	15.0	REM.	RXP20	1	1065	11300
FEDERAL	209A	"HI-SKOR" 800-X	14.5	WIN.	WAA20F1	1	1130	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.0	REM.	RXP20	1	1135	11700
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WIN.	WAA20F1	1	1200	11500
REMINGTON	209P	"HI-SKOR" 800-X	17.0	REM.	RXP20	1	1185	10800
WINCHESTER	209	"HI-SKOR" 800-X	15.5	WIN.	WAA20F1	1	1150	11500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	REM.	RXP20	1	1160	11600
WINCHESTER	209	SR4756	17.0	WIN.	WAA20F1	1	1105	11100
WINCHESTER	209	SR4756	17.0	REM.	RXP20	1	1100	10700

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions; to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

.410 BORE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 3" SP "EXPRESS"								
REMINGTON	209PSTS	IMR4198	26.5	REM.	SP410	1/2	1455	11100
FEDERAL	209A	IMR4227	19.0	REM.	SP410	11/16	1175	13300
REMINGTON	209P	IMR4227	19.0	REM.	SP410	11/16	1115	10900
WINCHESTER	209	IMR4227	19.0	REM.	SP410	11/16	1120	11600
SHELL: WINCHESTER 3" COMPRESSION-FORMED "SUPER-X"								
WINCHESTER	209	IMR4198	22.0	WIN.	WAA41	1/2	1260	9100
FEDERAL	209A	IMR4227	16.5	WIN.	WAA41	5/8	1055	10700
WINCHESTER	209	IMR4227	16.5	WIN.	WAA41	5/8	1015	9200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

ABBREVIATIONS AND MANUFACTURERS' TRADEMARKS

FEDERAL

Shotgun Shells: Hi-Power*, Gold Medal*, Paper Champion*.

Abbreviations Used

FC

SC

Trade Names

Fiber Cushion Wad

Shot Cup

*Registered trademarks of Federal Cartridge Co., Minneapolis, MN

WINCHESTER*

Shotgun Shells: Double A*, Super-X*, Upland*.

*Registered trademarks of Olin Corp., East Alton, IL

BALLISTIC PRODUCTS, INC.

20015 75 Ave. No.
Corcoran, MN 55340

Abbreviations Used

BP

BPGS

BPSB

Trade Names

Ballistic Products

Ballistic Products

Gas Seal Wad

Ballistic Products

Shot Buffer Material

REMINGTON*

Shotgun Shells: "Express," "RXP," "PREMIER."

*Registered trademarks of Remington Arms Co., Maddison, NC

DANGER! Smokeless powder is an extremely flammable solid and can be dangerous if improperly handled. It should not be exposed to heat, sparks, or open flame. In accordance with good handloading practices, all reloading components including smokeless powder should be kept out of reach of children at all times.

REFERENCE TABLES

POWDER TABLE

GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND
12	583	23	304	34	205
13	538	24	291	35	200
14	500	25	280	36	194
15	466	26	269	37	189
16	437	27	259	38	184
17	411	28	250	39	179
18	388	29	241	40	175
19	368	30	233	41	170
20	350	31	225	42	166
21	333	32	218	43	162
22	318	33	212		

CHILLED SHOT TABLE

Weight Ounces	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8	
Weight Grains	219	273	328	383	438	492	547	602	656	711	766	820	875	930	
Loads per Lb.	32	26	21	18	16	14	13	12	11	10	9	9	8	8	
Size	Approximate No. of Pellets per load														
BB	.18	25	31	38	44	50	56	63	69	75	81	88	94	100	106
2	.15	44	55	66	77	88	99	110	121	132	143	154	165	176	187
4	.13	68	85	102	119	136	153	170	187	204	221	238	255	271	289
2	.12	86	108	129	151	172	194	215	237	258	280	301	323	344	366
6	.11	112	139	167	195	223	251	279	307	335	362	390	418	446	474
7	.10	150	187	224	262	299	336	374	411	449	486	523	561	598	635
7 1/2	.095	173	216	259	302	345	388	431	474	518	564	604	647	690	733
8	.085	240	300	360	420	480	540	600	660	720	780	840	900	960	1020
9	.08	293	366	439	512	585	658	731	804	878	951	1024	1097	1170	1243

RIFLE

IMR	CHARGE	VELOCITY	CHAMBER	IMR	CHARGE	VELOCITY	CHAMBER	IMR	CHARGE	VELOCITY	CHAMBER	IMR	CHARGE	VELOCITY	CHAMBER																																																																				
POWDER	(grains)	(ft/sec)	PRESS. (cup)	POWDER	(grains)	(ft/sec)	PRESS. (cup)	POWDER	(grains)	(ft/sec)	PRESS. (cup)	POWDER	(grains)	(ft/sec)	PRESS. (cup)																																																																				
.308 WINCHESTER REM. CASE; REM. 9 1/2 PR REM. 180 GR. PTD. SPCL .308" DIA.; 23" BBL.; 2.725" C.O.L. SR 4759 26.5 2085 51200 IMR 4227 27.0 2110 52000 IMR 4198 33.5 2350 51600 IMR 3031 41.5C 2550 51700 IMR 4064 43.5C 2580 51700 IMR 4895 42.5C 2540 50900 IMR 4320 44.5C 2550 52000 IMR 4350 46.0C 2365 38900 IMR 4831 46.0C 2225 36900				.30-06 WIN. CASE; WIN. 8 1/2-120 PR REM. 180 GR. PTD. SPCL .308" DIA.; 23" BBL.; 3.200" C.O.L. SR 4759 29.5 2135 50000 IMR 4227 28.5 2045 49800 IMR 4198 36.0 2350 49800 IMR 3031 44.5 2540 49800 IMR 4064 49.5 2670 49200 IMR 4895 43.5 2520 50000 IMR 4320 49.0 2595 49700 IMR 4350 57.0C 2750 49700 IMR 4831 59.0C 2700 44200				.300 H & H MAG. REM. CASE; REM. 9 1/2 M PR REM. 220 GR. SPCL .308" DIA.; 24" BBL.; 3.575" C.O.L. SR 4759 36.5 2030 54000 IMR 4227 35.5 2015 53600 IMR 4198 42.0 2240 52600 IMR 3031 52.5 2485 53300 IMR 4064 56.5 2565 53300 IMR 4895 51.5 2465 53300 IMR 4320 54.0 2495 53000 IMR 4350 65.0 2695 54000 IMR 4831 67.0 2710 54000				.300 WINCHESTER MAG. WIN. CASE; WIN. 8 1/2-120 PR REM. 220 GR. SPCL .308" DIA.; 24" BBL.; 3.340" C.O.L. SR 4759 36.5 2115 52800 IMR 4227 36.0 2090 54000 IMR 4198 43.5 2310 53000 IMR 3031 52.5 2505 54000 IMR 4064 57.5 2575 53000 IMR 4895 53.5 2525 53500 IMR 4320 54.0 2520 53200 IMR 4350 66.0 2690 53700 IMR 4831 70.0C 2730 53100 IMR 7828 70.0 2750 53000				.30-40 KRAG WIN. CASE; WIN. 8 1/2-120 PR SPEER 150 GR. SPITZER .308" DIA.; 25.5" BBL.; 3.00" C.O.L. SR 4759 24.5 2080 37300 IMR 4227 23.5 2090 37700 IMR 4198 30.0 2355 38100 IMR 3031 42.0 2695 39500 IMR 4064 44.0 2695 39000 IMR 4895 36.0 2435 39700 IMR 4320 37.0 2420 39700 IMR 4350 48.5C 2615 36300 IMR 4831 48.5C 2430 29800				.30-06 REM. CASE; REM. 9 1/2 PR SIERRA 200 GR. MATCH KING HP .308" DIA.; 23" BBL.; 3.340" C.O.L. SR 4759 28.5 2000 49800 IMR 4227 28.5 2045 50000 IMR 4198 36.0 2285 48400 IMR 3031 44.5 2450 49700 IMR 4064 47.5 2530 49200 IMR 4895 43.0 2445 49700 IMR 4320 46.0 2445 48800 IMR 4350 55.0C 2635 49900 IMR 4831 58.0C 2660 49900 IMR 7828 55.0C 2385 44100				.300 WINCHESTER MAG. REM. CASE; REM. 9 1/2 M PR REM. 150 GR. PTD. SPCL .308" DIA.; 24" BBL.; 3.340" C.O.L. SR 4759 41.5 2660 53400 IMR 4227 39.5 2590 52400 IMR 4198 49.0 2900 53600 IMR 3031 63.0 3200 53900 IMR 4064 65.5 3240 53700 IMR 4895 64.0 3240 53000 IMR 4320 66.5 3230 53700 IMR 4350 76.0 3335 53900 IMR 4831 80.0 3365 54000				7.62 MM X 39 IMI CASE; CCI 200 PR SPEER 125 GR. SP.; .311 DIA. 20" BBL.; 2.180" C.O.L. IMR 4227 18.5 1995 44100 IMR 4198 24.0 2250 42500				7.62 MM X39 IMI CASE; CCI 200 PR REM. 150 GR. PSPCL; .308" DIA. 20" BBL.; 2.210" C.O.L. IMR 4227 18.0 1885 44400 IMR 4198 22.5 2070 43600				.30-40 KRAG WIN. CASE; WIN. 8 1/2-120 PR REM. 180 GR. SPCL .308" DIA.; 25.5" BBL.; 3.00" C.O.L. SR 4759 24.0 1940 39100 IMR 4227 23.0 1900 37800 IMR 4198 29.5 2150 39800 IMR 3031 38.0 2375 39300 IMR 4064 41.0 2435 39000 IMR 4895 35.5 2270 38800 IMR 4320 35.5 2210 38100 IMR 4350 46.0C 2445 38700 IMR 4831 49.0C 2425 35900				.30-06 REM. CASE; REM 9 1/2 PR HORNADY 220 GR. RN .308" DIA.; 23" BBL.; 3.185" C.O.L. SR 4759 27.0 1835 50000 IMR 4227 27.0 1850 50000 IMR 4198 33.0 2055 48800 IMR 3031 42.5 2300 49000 IMR 4064 46.0 2370 50000 IMR 4895 40.5 2230 50000 IMR 4320 44.0 2295 49500 IMR 4350 53.5C 2470 50000 IMR 4831 56.0C 2490 49500 IMR 7828 55.0C 2285 41900				.300 WINCHESTER MAG. REM. CASE; REM. 9 1/2 M PR NOSLER 165 GR. SPITZER .308" DIA.; 24" BBL.; 3.340" C.O.L. IMR 7828 77.5 3210 53700				8 X 57 MM MAUSER WIN. CASE; WIN. 8 1/2-120 PR SPEER 150 GR. SPITZER .323" DIA.; 25" BBL.; 2.945" C.O.L. SR 4759 21.5 1960 37000 IMR 4227 22.5 2015 36700 IMR 4198 28.5 2225 37000 IMR 3031 34.5 2335 37000 IMR 4064 36.0 2305 37000 IMR 4895 36.0 2310 37000 IMR 4320 36.0 2270 36900 IMR 4350 43.0 2315 36800 IMR 4831 47.0 2325 36800				.30-06 REM. CASE; REM. 9 1/2 PR HORNADY 110 GR. SPIRE PT. .308" DIA.; 23" BBL.; 3.130" C.O.L. SR 4759 35.0 2820 49700 IMR 4227 32.0 2730 49400 IMR 4198 39.5 2980 49400 IMR 3031 56.0 3365 49300 IMR 4064 58.0C 3320 49400 IMR 4895 54.5 3265 49300 IMR 4320 57.5 3255 49100 IMR 4350 59.0C 2960 36900 IMR 4831 59.0C 2780 32500				.300 H & H MAG. REM. CASE; REM. 9 1/2 M PR REM. 150 GR. PTD. SPCL .308" DIA.; 24" BBL.; 3.550" C.O.L. SR 4759 40.0 2455 53600 IMR 4227 37.0 2515 54000 IMR 4198 44.0 2715 53500 IMR 3031 60.0 3100 51000 IMR 4064 64.0 3170 53800 IMR 4895 55.0 2960 54000 IMR 4320 58.0 2970 53700 IMR 4350 73.0 3215 53600 IMR 4831 75.5C 3200 53100				.300 WINCHESTER MAG. WIN. CASE; WIN. 8 1/2-120 PR REM. 180 GR. PTD. SPCL .308" DIA.; 24" BBL.; 3.250" C.O.L. SR 4759 38.5 2435 53700 IMR 4227 37.5 2390 53400 IMR 4198 47.0 2690 54000 IMR 3031 58.5 2900 53700 IMR 4064 62.5 2995 53800 IMR 4895 59.5 2950 53900 IMR 4320 60.5 2920 53700 IMR 4350 71.5 3100 54000 IMR 4831 75.5C 3105 53700 IMR 7828 74.0 3050 53900				8 x 57 MM MAUSER WIN. CASE; WIN 8 1/2-120 PR HORNADY 170 GR. RN .323" DIA.; 25" BBL.; 2.840" C.O.L. SR 4759 20.5 1855 37000 IMR 4227 21.5 1860 36600 IMR 4198 27.54 2075 37000 IMR 3031 32.5 2105 36100 IMR 4064 35.0 2175 36900 IMR 4895 33.5 2145 37000 IMR 4320 34.5 2105 36200 IMR 4350 42.0 2180 37000 IMR 4831 46.0 2255 37000				.30-06 REM. CASE; REM. 9 1/2 PR REM. 150 GR. PTD. SPCL .308" DIA.; 23" BBL.; 3.200" C.O.L. SR 4759 31.0 2365 49700 IMR 4227 30.0 2310 50000 IMR 4198 38.0 2600 50000 IMR 3031 49.5 2850 49800 IMR 4064 52.0 2885 50000 IMR 4895 49.5 2845 50000 IMR 4320 51.0 2825 50000 IMR 4350 59.0C 2825 47800 IMR 4831 59.0C 2715 42900				.300 H & H MAG. REM. CASE; REM. 9 1/2 M PR REM. 180 GR. PTD. SPCL .308" DIA.; 24" BBL.; 3.520" C.O.L. SR 4759 38.0 2330 54000 IMR 4227 36.0 2300 54000 IMR 4198 43.0 2515 53000 IMR 3031 57.0 2815 53400 IMR 4064 60.0 2875 53400 IMR 4895 54.5 2760 53800 IMR 4320 57.5 2795 53800 IMR 4350 69.0 2990 54000 IMR 4831 73.0C 3035 53500				.300 WINCHESTER MAG. WIN. CASE; WIN. 8 1/2-120 PR SIERRA 200 GR. SPITZER BT .308" DIA.; 24" BBL.; 3.340" C.O.L. IMR 7828 71.0 2900 53800				8 MM REMINGTON MAG. REM. CASE; REM. 9 1/2 M PR REM. 185 GR. PSPCL .323" DIA.; 24" BBL.; 3.560" C.O.L. SR 4759 45.0 2480 52600 IMR 4227 42.5 2420 54000 IMR 4198 51.0 2660 52800 IMR 3031 62.5 2895 53100 IMR 4064 66.5 2975 54000 IMR 4895 61.0 2855 53300 IMR 4320 62.0 2850 53000 IMR 4350 77.5 3090 53100 IMR 4831 79.5 3095 52900			

IMR 7828

WEATHERBY CARTRIDGES RELOADING DATA

CALIBER	PRIMER	BULLET	CARTRIDGE OVERALL LENGTH (IN.)	IMR POWDER	POWDER CHARGE GRAINS	VELOCITY FT/SEC	CHAMBER PRESSURE (CUP)
.240 Weatherby Magnum	Fed. 210	Hornady 70 gr. Spire Point	3.063	IMR 7828	56.0C	3505	47500
		Hornady 87 gr. Spire Point	3.063	IMR-7828	54.5C	3360	50700
		Nosler 100 gr. Spitzer	3.063	IMR-7828	53.5C	3240	52000
.257 Weatherby Magnum	Fed. 215	Hornady 87 gr. Spire Point	3.170	IMR-7828	74.5	3775	53500
		Nosler 100 gr. Spitzer	3.160	IMR-7828	73.0	3655	53100
		Hornady 117 gr. Boat Tail Spire Pt.	3.170	IMR-7828	70.0	3390	52600
		Nosler 120 gr. Spitzer	3.170	IMR-7828	69.0	3325	53000
.270 Weatherby Magnum	Fed. 215	Hornady 100 gr. Spire Point	3.250	IMR-7828	78.5C	3645	48200
		Nosler 130 gr. Spitzer	3.250	IMR-7828	76.0	3500	53000
		Hornady 140 gr. Boat Tail Spire Pt.	3.295	IMR-7828	73.5	3325	53000
		Nosler 150 gr. Spitzer	3.250	IMR-7828	72.0	3215	53600
7mm Weatherby Magnum	Fed. 215	Hornady 139 gr. Flat Spire Point	3.068	IMR-7828	76.0C	3335	51500
		Nosler 140 gr. Spitzer	3.250	IMR-7828	76.5C	3390	53300
		Hornady 154 gr. Spire Point	3.337	IMR-7828	74.5	3250	53400
		Nosler 160 gr. Spitzer	3.337	IMR-7828	73.5	3210	53500
		Hornady 175 gr. Spire Point	3.360	IMR-7828	70.5	2975	53000
.300 Weatherby Magnum	Fed. 215	Nosler 150 gr. Spitzer	3.560	IMR-7828	89.0C	3425	49900
		Nosler 180 gr. Spitzer	3.560	IMR-7828	86.0C	3240	52500
		Nosler 200 gr. Spitzer	3.560	IMR-7828	83.0C	3065	50600
		Hornady 220 gr. Round Nose	3.560	IMR-7828	81.0	2940	52400
.340 Weatherby Magnum	Fed. 215	Nosler 210 gr. Spitzer	3.608	IMR-7828	90.5C	3070	51600
		Hornady 225 gr. Spire Point	3.645	IMR-7828	89.0C	2965	51000
		Hornady 250 gr. Round Nose	3.658	IMR-7828	87.5C	2860	53100
.378 Weatherby Magnum	Fed. 215	Speer 285 gr. Grand Slam	3.625	IMR-7828	117.0C	3060	51600
		Hornady 300 gr. Round Nose	3.644	IMR-7828	118.0C	3055	53500
.460 Weatherby Magnum	Fed. 215	Hornady 500 gr. Round Nose	3.720	IMR-7828	117.0C	2360	41900

Notes:

- Brass—Weatherby Factory Shells
- C = Compressed Load
- Barrel Length—26 inch
- All Nosler bullets used were partition type
- Recommended using only primer shown for each load

RIFLE DATA SHOWING CHAMBER PRESSURE IN PSI

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)
243 WINCHESTER WIN. CASE; FED. 210 PR NOSLER 55 GR. BALLISTIC TIP .243" DIA.; 24" BBL.; 2.580" C.O.L. IMR 4064 44.0 3900 56000				25-06 REMINGTON REM. CASE; FED. 210 PR NOSLER 115 GR. BALLISTIC TIP .257" DIA.; 24" BBL.; 3.175" C.O.L. IMR 7828 55.5 3040 57000				260 REMINGTON REM. CASE; WIN. WLR PR SIERRA 120 GR. SPITZER .264" DIA.; 24" BBL.; 2.780" C.O.L. SR 4759 17.0 1755 37500 SR 4759 23.5 2280 57600 IMR 3031 34.0 2720 57600 IMR 4064 37.0 2805 57700 IMR 4895 36.0 2770 57100 IMR 4320 37.5 2805 58400 IMR 4350 43.0 2885 58000 IMR4831 44.0 2885 58400 IMR 7828 47.0C 2895 57800				260 REMINGTON REM. CASE; WIN. WLR PR REM. 140 GR. PSPCL .264" DIA.; 24" BBL.; 2.780" C.O.L. SR 4759 18.0 1735 39800 SR 4759 23.0 2135 56500 IMR 3031 32.5 2505 56200 IMR 4064 36.0 2615 56900 IMR 4895 35.5 2605 57600 IMR 4320 36.0 2600 57600 IMR 4350 43.0 2715 57000 IMR 4831 44.0 2715 57000 IMR 7828 47.0C 2755 57200			
243 WINCHESTER WIN. CASE; FED. 210 PR BARNES 85 GR. XBTL .243" DIA.; 24" BBL.; 2.670" C.O.L. IMR 4350 45.0 3170 55000 IMR 4831 46.0 3170 54000				260 REMINGTON REM. CASE; WIN. WLR PR SIERRA 100 GR. HOLLOW PT. .264" DIA.; 24" BBL.; 2.700" C.O.L. IMR 3031 35.5 2995 57100 IMR 4064 39.5 3095 57000 IMR 4895 38.0 3045 57300 IMR 4320 39.0 3040 57300 IMR 4350 45.0 3120 57500 IMR 4831 46.5 3130 58300 IMR 7828 49.0C 3025 53300				260 REMINGTON REM. CASE; WIN. WLR PR HORNADY 129 GR. SPIRE PT. .264" DIA.; 24" BBL.; 2.780" C.O.L. IMR 3031 33.0 2590 56800 IMR 4064 36.5 2690 58300 IMR 4895 36.5 2725 58100 IMR 4320 36.5 2685 58600 IMR 4350 41.5 2765 57300 IMR4831 43.0 2785 58300 IMR 7828 45.0 2775 57200				260 REMINGTON REM. CASE; WIN. WLR PR HORNADY 160 GR. RN .264" DIA.; 24" BBL.; 2.800" C.O.L. IMR 4350 40.5 2520 57400 IMR 4831 41.5 2520 57200 IMR 7828 45.0 2580 58100			
243 WINCHESTER WIN. CASE; FED. 210 PR HORNADY 100 GR. SP .243" DIA.; 24" BBL.; 2.670" C.O.L. IMR 4350 38.2 2850 56000				25-06 REMINGTON REM. CASE; FED. 210 PR BARNES 115 GR. X .257" DIA.; 24" BBL.; 3.175" C.O.L. IMR 7828 51.5 2900 57000											

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)																																																																																																																																								
270 WINCHESTER REM. CASE; FED. 210 PR SIERRA 140 GR. HPBT .277" DIA.; 24" BBL.; 3.252" C.O.L. IMR 4831 55.0 2980 62000 IMR 7828 56.5 2860 55000				7 MM SHOOTING TIMES WESTERNER REM. CASE; FED. 215 PR SWIFT 160 GR. A-FRAME .284" DIA.; 24" BBL.; 3.600" C.O.L. IMR 4350 66.5 2995 62000 IMR 4831 68.5 3010 62400 IMR 7828 76.0 3110 62300				30-06 SPRG REM. CASE; FED. 210 PR SIERRA 180 GR. SPITZER BT .308" DIA.; 24" BBL.; 3.325" C.O.L. IMR 4064 46.0 2600 55000 IMR 4350 54.3 2670 55000 IMR 4831 55.8 2700 57000 IMR 4831 55.3 2670 56000				REM 300 ULTRA MAG REM. CASE; FED. 215 PR NOSLER 180 GR. PARTITION .308" DIA.; 24" BBL.; 3.600" C.O.L. IMR 7828 87.0 3140 61000				7MM REMINGTON MAG REM. CASE; FED. 215 PR BARNES 140 GR. XBTLIC .284" DIA.; 24" BBL.; 3.270" C.O.L. IMR 4350 65.3 3060 58000 IMR 4831 66.5 3040 56000 IMR 7828 72.3c 3100 58000				308 WINCHESTER REM. CASE; FED. 210 PR NOSLER 150 GR. BALLISTIC TIP .308" DIA.; 24" BBL.; 2.755" C.O.L. IMR 3031 41.5 2750 57000				300 WINCHESTER MAG WIN. CASE; FED. 215 PR NOSLER 165 GR. PARTITION .308" DIA.; 24" BBL.; 3.330" C.O.L. IMR 4350 71.5 3110 61000 IMR 4831 73.0 3100 61000 IMR 7828 79.3 3110 60000				REM 300 ULTRA MAG REM. CASE; FED. 215 PR NOSLER 200 GR. PARTITION .308" DIA.; 24" BBL.; 3.600" C.O.L. IMR 7828 85.8 2990 61000				7MM REMINGTON MAG REM. CASE; FED. 215 PR NOSLER 150 GR. BALLISTIC TIP .284" DIA.; 24" BBL.; 3.290" C.O.L. IMR 4350 60.6 2940 56000 IMR 4831 63.2 2960 57000 IMR 7828 68.2 3000 57000				308 WINCHESTER REM. CASE; FED. 210 PR BARNES 165 GR. X .308" DIA.; 24" BBL.; 2.800" C.O.L. IMR 4064 42.5 2600 58000				300 WINCHESTER MAG WIN. CASE; FED. 215 PR SIERRA 165 GR. HPBT .308" DIA.; 24" BBL.; 3.330" C.O.L. IMR 4350 70.5 3080 59000 IMR 4831 73.2 3100 61000 IMR 7828 78.8 3110 60000				338 WINCHESTER MAG WIN. CASE; FED. 215 PR NOSLER 210 GR. PARTITION .338" DIA.; 24" BBL.; 3.300" C.O.L. IMR 4350 68.7 2830 60000 IMR 4831 72.0 2860 60000 IMR 7828 75.0c 2790 56000				7MM REMINGTON MAG REM. CASE; FED. 215 PR SWIFT 150 GR. SCIROCCO .284" DIA.; 24" BBL.; 3.270" C.O.L. IMR 4350 58.8 2930 56000 IMR 4831 62.0 2940 57000 IMR 7828 67.1 2980 56000				308 WINCHESTER REM. CASE; FED. 210 PR NOSLER 165 GR. BALLISTIC TIP .308" DIA.; 24" BBL.; 2.755" C.O.L. IMR 4064 43.0c 2640 57000				300 WINCHESTER MAG WIN. CASE; FED. 215 PR NOSLER 180 GR. PARTITION .308" DIA.; 24" BBL.; 3.330" C.O.L. IMR 4350 69.0 2970 61000 IMR 4831 71.5 2950 59000 IMR 7828 77.0c 2930 56000				338 WINCHESTER MAG WIN. CASE; FED. 215 PR NOSLER 250 GR. PARTITION .338" DIA.; 24" BBL.; 3.325" C.O.L. IMR 4350 65.2 2560 60000 IMR 4831 67.0 2570 61000 IMR 7828 71.0c 2590 59000				7MM REMINGTON MAG REM. CASE; FED. 215 PR NOSLER 160 GR. PARTITION .284" DIA.; 24" BBL.; 3.290" C.O.L. IMR 4350 58.7 2880 57000 IMR 4831 60.2 2860 56000 IMR 7828 66.0 2940 57000				308 WINCHESTER REM. CASE; FED. 210 PR SIERRA 165 GR. HPBT .308" DIA.; 24" BBL.; 2.755" C.O.L. IMR 4064 42.5 2640 57000				300 WINCHESTER MAG WIN. CASE; FED. 215 PR SWIFT 180 GR. A-FRAME .308" DIA.; 24" BBL.; 3.310" C.O.L. IMR 4350 70.0 2970 58000 IMR 4831 71.5 2950 59000 IMR 7828 77.0c 2930 56000				338 WINCHESTER MAG WIN. CASE; FED. 215 PR SWIFT 250 GR. A-FRAME .338" DIA.; 24" BBL.; 3.300" C.O.L. IMR 4350 65.0 2560 60000 IMR 4831 66.8 2550 60000 IMR 7828 71.5c 2590 59000				7MM REMINGTON MAG REM. CASE; FED. 215 PR SWIFT 160 GR. A-FRAME .284" DIA.; 24" BBL.; 3.250" C.O.L. IMR 7828 66.5 2940 59000				30-06 SPRG REM. CASE; FED. 210 PR NOSLER 150 GR. BALLISTIC TIP .308" DIA.; 24" BBL.; 3.300" C.O.L. IMR 4350 59.0c 2960 57000				300 WINCHESTER MAG WIN. CASE; FED. 215 PR SIERRA 165 GR. HPBT .308" DIA.; 24" BBL.; 3.330" C.O.L. IMR 4350 69.0 2970 61000 IMR 4831 71.5 2950 59000 IMR 7828 77.0c 2930 56000				45-70 GOVT FED. CASE; FED. 210 PR HORNADY 300 GR. HP .458" DIA.; 2.540" C.O.L. IMR 4198 41.2 1900 27000 IMR 3031 54.0 1960 28000				7MM SHOOTING TIMES WESTERNER REM. CASE; FED. 215 PR BARNES 120 GR. XFB .284" DIA.; 24" BBL.; 3.580" C.O.L. IMR 4350 73.0 3460 63000 IMR 4831 74.0 3445 63400 IMR 7828 80.0 3495 62900				30-06 SPRG REM. CASE; FED. 210 PR NOSLER 165 GR. BALLISTIC TIP .308" DIA.; 24" BBL.; 3.335" C.O.L. IMR 4831 56.0 2760 56000				300 WINCHESTER MAG WIN. CASE; FED. 215 PR SWIFT 180 GR. SCIROCCO .308" DIA.; 24" BBL.; 3.340" C.O.L. IMR 4350 67.8 2930 60000 IMR 4831 69.7 2930 60000 IMR 7828 74.5 2880 56000				45-70 GOVT FED. CASE; FED. 210 PR NOSLER 300 GR. FN PARTITION .458" DIA.; 2.500" C.O.L. IMR 4198 41.2 1880 28000 IMR 3031 51.5 1890 27000				7MM SHOOTING TIMES WESTERNER REM. CASE; FED. 215 PR NOSLER 140 GR. BALLISTIC TIP .284" DIA.; 24" BBL.; 3.580" C.O.L. IMR 4350 71.5 3285 62700 IMR 4831 74.0 3285 62500 IMR 7828 79.5 3335 62100				30-06 SPRG REM. CASE; FED. 210 PR SIERRA 165 GR. HPBT .308" DIA.; 24" BBL.; 3.215" C.O.L. IMR 4350 54.0 2760 55000				REM 300 ULTRA MAG REM. CASE; FED. 215 PR BARNES GR. 165 XSP .308" DIA.; 24" BBL.; 3.600" C.O.L. IMR 7828 89.0 3200 61000				45-70 GOVT FED. CASE; FED. 210 PR SIERRA 300 GR. FN HP .458" DIA.; 2.530" C.O.L. IMR 4198 43.0 1940 26000 IMR 3031 55.2 2010 28000				7MM SHOOTING TIMES WESTERNER REM. CASE; FED. 215 PR NOSLER 180 GR. PARTITION .308" DIA.; 24" BBL.; 3.550" C.O.L. IMR 7828 91.2 3260 60000				30-06 SPRG REM. CASE; FED. 210 PR SWIFT 165 GR. A-FRAME .308" DIA.; 24" BBL.; 3.205" C.O.L. IMR 4350 56.0 2790 55000				REM 300 ULTRA MAG REM. CASE; FED. 215 PR SWIFT 165 GR. A-FRAME .308" DIA.; 24" BBL.; 3.550" C.O.L. IMR 7828 91.2 3260 60000				7MM SHOOTING TIMES WESTERNER REM. CASE; FED. 215 PR NOSLER 150 GR. BALLISTIC TIP .284" DIA.; 24" BBL.; 3.580" C.O.L. IMR 4350 67.5 3110 62300 IMR 4831 69.5 3110 61700 IMR 7828 77.0 3190 61600				30-06 SPRG REM. CASE; FED. 210 PR NOSLER 180 GR. PARTITION .308" DIA.; 24" BBL.; 3.290" C.O.L. IMR 4064 45.5 2530 56000 IMR 4350 53.5 2630 56000 IMR 4831 54.0 2600 55000				REM 300 ULTRA MAG REM. CASE; FED. 215 PR SWIFT 180 GR. SCIROCCO .308" DIA.; 24" BBL.; 3.600" C.O.L. IMR 4831 82.9 3060 60000 IMR 7828 88.6 3100 59000			

*Note - These loads must not be used in any trapdoor single shot rifle.

HANDGUN

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
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7 MM BR REMINGTON

REM. CASE; BR (URBR) FORMED IN RECBS DIES; REM. BR 7 1/2 PR HORNADY 162 GR. HPBT; .284" DIA.; 15" BBL.; 2.375" C.O.L.

IMR 4198	22.5	2000	50600
IMR 3031	26.0C	2015	4400
IMR 4064	26.0C	1870	38600
IMR 4895	27.0C	2015	48000

9 MM LUGER

REM. CASE; REM. 1 1/2 PR. REM. 115 GR. JHP; .354" DIA.; 4.0" PISTOL BBL.; 1.110" C.O.L.

"Hi-Skor"

700-X	4.7	1130	32600
PB	4.8	1075	32500
SR 7625	5.1	1095	32400
SR 4756	6.3C	1175	30600
"Hi-Skor"			
800-X	6.5	1150	30300
IMR 4227	8.8C	820	14500

9 MM LUGER

REM. CASE; CCI 500 PR. REM. 124 GR. MC; .354" DIA.; 4.0" PISTOL BBL.; 1.125" C.O.L.

"Hi-Skor"

700-X	4.8	1110	32600
PB	4.9C	1050	32500
SR 7625	4.9	1040	32300
SR 4756	6.3C	1160	32400
"Hi-Skor"			
800-X	6.5C	1115	28600
IMR 4227	8.8C	790	13200

9 MM LUGER

REM. CASE; FED. 100 PR HORNADY 147 GR. BTHP/XTP .355" DIA.; 4.0" PISTOL BBL.; 1.130" C.O.L.

"Hi-Skor"

700-X	3.7	935	32100
PB	4.0	950	32800
SR 7625	4.3	950	32900
SR 4756	4.4	950	32700
"Hi-Skor"			
800-X	5.3	1025	32900

.25 A.C.P.

REM. CASE; CCI 500 PR HORNADY 50 GR. FMJ; .251" DIA.; 2.0" PISTOL BBL.; .900" C.O.L.

"Hi-Skor"

700-X	1.1	740	14400
PB	1.1	740	17700
SR 7625	1.2	755	17900
SR 4756	1.4	770	16900
"Hi-Skor"			
800-X	1.8	815	17800

380 A.C.P.

REM. CASE; REM. 1 1/2 PR. HORNADY 90 GR. HP; .355" DIA.; 3.75" PISTOL BBL.; .970" C.O.L.

"Hi-Skor"

700-X	2.9	985	15900
PB	3.0	890	15700
SR 7625	3.2	880	14700
SR 4756	3.6	880	15500
"Hi-Skor"			
800-X	4.1	870	15500

380 A.C.P.

REM. CASE; CCI 500 PR. HORNADY 100 GR. FMJ; .355" DIA.; 3.75" PISTOL BBL.; .980" C.O.L.

"Hi-Skor"

700-X	2.7	840	15200
PB	2.8	835	15400
SR 7625	3.0	855	15500
SR 4756	3.5	875	15900
"Hi-Skor"			
800-X	4.0	840	14700

38 A.C.P.

REM. NICKEL CASE; CCI 500 PR. HORNADY 115 GR. HP; .357" DIA.; 5.0" PISTOL BBL.; 1.265" C.O.L.

"Hi-Skor"

700-X	4.0	955	22900
PB	4.0	955	22500
SR 7625	4.5	955	21800
SR 4756	5.2	965	21800
"Hi-Skor"			
800-X	5.9	1015	21900

THOMPSON/CENTER CONTENDER RELOADING DATA

(ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

KEY TO ABBREVIATIONS FOR T/C CONTENDER DATA

BR	Bench Rest	FMJ	Full Metal Jacket	PSP	Pointed Soft Point
BR PR	Bench Rest Primer	FP	Flat Point	SPCL	Soft Point "Cole-Lokt"
BT	Boat Tail	HP	Hollow Point	T/C	Thompson Center
C	Compressed Charge	J	Jacketed		
C.O.L.	Cartridge Overall Length				

BULLET WT.	DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC)		CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
				10" BARREL	14" BARREL		
.222 REMINGTON—REM. CASE, REM. 7 1/2 BR PR							
45 GR.	.224"	IMR 4227	17.1	2500	-	45200	2.130"
SIERRA SPITZER		IMR 4198	21.1	2640	-	45800	
		IMR 4895	24.2C	2380	-	37400	
50 GR.	.224"	IMR 4227	16.1	2365	-	45800	2.130"
REMINGTON PSP		IMR 4198	20.0	2510	-	45600	
		IMR 4895	24.2C	2365	-	39300	
52 GR.	.224"	IMR 4227	15.8	2300	-	45600	2.190"
SIERRA HPBT BR		IMR 4198	19.8	2455	-	45800	
		IMR 4895	23.8C	2325	-	40500	
55 GR.	.224"	IMR 4198	19.0	2375	-	45200	2.085"
SPEER FMJ		IMR 3031	21.5C	2225	-	37800	
		IMR 4895	23.0C	2275	-	41200	
60 GR.	.224"	IMR 4227	14.7	2105	-	45000	2.245"
HORNADY HP		IMR 4198	19.1	2330	-	45800	
		IMR 4895	23.0C	2235	-	42400	
70 GR.	.224"	IMR 4198	17.9	2145	-	45700	2.060"
SPEER		IMR 3031	20.5C	2000	-	34900	
SEMI-SPITZER		IMR 4895	21.5C	2050	-	37900	

THOMPSON/CENTER CONTENDER RELOADING DATA

(ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

BULLET WT.	BULLET DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC)		CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
				10" BARREL	14" BARREL		
.25/.35 WINCHESTER—REM. CASE, FED. 210 BR PR							
60 GR.	.257"	IMR 3031	28.3	2325	-	36900	2.390"
	SPEER SPIRE POINT	IMR 4064	30.5C	2285	-	36000	
87 GR.	.257"	IMR 3031	23.4	1965	-	36800	2.690"
	HORNADY SPIRE POINT	IMR 4064	25.7	1960	-	36500	
100 GR.	.257"	IMR 3031	22.1	1845	-	36500	2.700"
	SPEER SPITZER	IMR 4064	25.2	1875	-	37000	
		IMR 4350	31.0C	1900	-	36400	
117 GR.	.257"	IMR 3031	21.5	1760	-	36700	2.700"
	SIERRA	IMR 4895	22.2	1750	-	37000	
	SPITZER BT	IMR 4350	28.3C	1760	-	35900	
.30 HERRETT—REM. (FORMED BY T/C), CASE, FED. 210 BR PR							
110 GR.	.308"	IMR 4227	18.8	1910	2035	44600	2.020"
	HORNADY FMJ	IMR 4198	24.3	2075	2210	44600	
		IMR 3031	28.0C	1940	2070	36000	
130 GR.	.308"	IMR 4227	18.0	1775	1885	44800	2.175"
	HORNADY	IMR 4198	22.5	1895	2015	44400	
	SPIRE POINT	IMR 3031	26.0C	1765	1875	36300	
150 GR.	.308"	IMR 4198	21.3	1760	1870	44200	2.300"
	SIERRA SPITZER	IMR 3031	25.2C	1680	1785	36700	
		IMR 4895	27.0C	1735	1845	40700	
170 GR.	.308"	IMR 4198	19.2	1575	1670	44600	2.165"
	REMINGTON SPCL	IMR 3031	24.5C	1590	1690	37800	
		IMR 4895	26.0C	1625	1725	41200	
.30/.30 WINCHESTER—REM. CASE, FED. 210 BR PR							
110 GR.	.308"	IMR 3031	36.0C	2110	34000	2.450"	
	HORNADY FMJ	IMR 4895	34.6	2080	2235	37800	
		IMR 4064	36.5C	2020	2170	33200	
130 GR.	.308"	IMR 3031	36.0C	2025	2175	37000	2.725"
	HORNADY SPIRE POINT	IMR 4064	36.5C	1965	2110	36500	
150 GR.	.308"	IMR 3031	33.0	1895	2035	37500	2.855"
	SIERRA SPITZER	IMR 4064	34.4	1855	1995	37400	
170 GR.	.308"	IMR 3031	27.4	1660	1780	37600	2.700"
	REMINGTON SPECIAL	IMR 4064	32.8	1750	1875	37900	2.700"

Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.

THOMPSON/CENTER CONTENDER RELOADING DATA

(ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

BULLET WT.	BULLET DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC)		CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
				10" BARREL	14" BARREL		
.357 HERRETT—WIN. (FORMED BY T/C) CASE, FED. 210 BR PR							
110 GR. HORNADY JHP	.357"	SR 4759	24.5C	1950	2070	35600	2.080"
		IMR 4227	23.8	2095	2225	44500	
		IMR 4198	32.0C	2070	2200	33900	
125 GR. HORNADY JHP	.357"	SR 4759	24.0C	1880	1990	38400	2.080"
		IMR 4227	22.3	1995	2070	44900	
		IMR 4198	31.0C	2015	2135	38100	
158 GR. HORNADY JFP	.357"	SR 4759	23.0C	1705	1810	42000	2.150"
		IMR 4227	20.2	1710	1815	44900	
		IMR 4198	29.9C	1925	2045	44900	
170 GR. SIERRA FMJ SILHOUETTE	.357"	SR 4759	23.0C	1655	1750	41400	2.230"
		IMR 4227	20.1	1640	1735	45000	
		IMR 4198	30.0C	1835	1940	44600	
200 GR. HORNADY SPIRE POINT	.358"	SR 4759	23.0C	1575	1675	44100	2.540"
		IMR 4198	28.2	1715	1820	45000	
		IMR 3031	31.0C	1540	1635	32400	
		IMR 4895	34.0C	1605	1705	38300	
.35 REMINGTON—REM. CASE, FED. 210 BR PR							
158 GR. HORNADY JFP	.357"	IMR 3031	38.4c	-	2030	34500	2.300"
		IMR 3895	37.8	-	1975	34700	
		IMR 4064	39.5C	-	1925	32600	
170 GR. SIERRA FMJ SILHOUETTE	.357"	IMR 3031	38.5C	-	1985	33700	2.405"
		IMR 4895	37.8	-	1920	34100	
		IMR 4064	38.1	-	1850	35000	
250 GR. SPEER SPITZER	.358"	IMR 3031	31.0	-	1620	35000	2.800"
		IMR 4064	33.0	-	1610	34800	

IMR HANDLOADING POWDER SELECTION GUIDE

The following table lists the IMR Handloading Powders and the general area of use for each powder. Whenever a specific powder appears in more than one section of this Guide (for example, shotshell and handgun), the same powder can be used for all recommended loads shown with this powder. Powders can be used in case bullet rifle loads as specified in reliable published loading data.

POWDER DESIGNATION	SHOTSHELL (GAUGE)						HANDGUN	RIFLE	CONTAINER NET WEIGHT LBS.		
									CANISTER	CADDY	KEG
	10	12	16	20	28	410					
"HI-SKOR" 700-X	x	x	x	x			x		1/2	5	12
"HI-SKOR" 800-X	x	x	x	x	x		x		1/2	5	12
PB	x	x	x	x	x		x		1/2	5	12
SR 7625	x	x	x	x	x		x		1/2	5	12
SR 4756	x	x	x	x	x		x		1/2	5	12
SR 4759							x	x	1/2	5	12
IMR 4227							x	x	1	8	20
IMR 4198							x	x	1	8	20
IMR 3031							x	x	1	8	20
IMR 4064							x	x	1	8	20
IMR 4895							x	x	1	8	20
IMR 4320							x	x	1	8	20
IMR 4350							x	x	1	8	20
IMR 4831								x	1	8	20
IMR 7828								x	1	8	20

IMR

SMOKELESS POWDER DISTRIBUTORS

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The information presented in this booklet is based upon results obtained in our ballistics laboratory, and is offered without charge as an aid to handloaders, to be employed at their own discretion and risk. Safe loading practices should be observed at all times. Since we have no control over the circumstances of loading, we assume no liability for the results obtained, and we guarantee only that powder meets our manufacturing standards.

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