



# 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.

## 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:

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|--|---|
| <ol style="list-style-type: none"> <li>1. Exercise care and common sense at all times.</li> <li>2. Don't become distracted when you are handloading.</li> <li>3. Never load in haste. A careless mistake can be serious.</li> <li>4. Use equipment as manufacturer recommends.<br/>Never take shortcuts.</li> <li>5. Store powder in a cool, dry place at all times.</li> <li>6. Never use a powder unless you are positive of its identity.</li> <li>7. Never substitute smokeless powder for black powder.</li> <li>8. Never use IMR powder data for any other powder types with similar numerical designations.</li> <li>9. Keep powder away from heat and open flames.</li> <li>10. Never smoke while handling powder.</li> <li>11. Keep powder out of reach of children.</li> <li>12. Don't mix powders.</li> <li>13. Don't keep more powder in an open container than you need.</li> <li>14. Observe all maximum load warnings in handbooks.</li> <li>15. Work up all new loads starting 10% below the recommended maximum charge weight.</li> </ol> | <ol style="list-style-type: none"> <li>16. Examine every case before loading to insure it is in good condition.</li> <li>17. Watch for indications of high pressures in establishing a new load.</li> <li>18. Never use smokeless powder in firearms designed for black powder.</li> <li>19. DO NOT use <i>steel shot</i> in any of the shotshell loads listed in this guide.</li> <li>20. Use of safety glasses while reloading is recommended.</li> <li>21. Clean up any powder spills immediately. Use dust pan and brush to clean up powder. Dispose of it in accordance with recommended procedures.</li> <li>22. Make sure powder container is empty before disposing of container.</li> <li>23. Consult suppliers of components if you have any questions about their use.</li> <li>24. Check powder charges regularly to insure using proper powder charge weight.</li> <li>25. Develop a routine for reloading to guard against mistakes.</li> </ol> |
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**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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# HANDGUN

IMPORTANT: Recommended uses of IMR powder relate only to the appropriate IMR powder and not to those available from other firms. Although the four digit numerical designations of other manufacturers' products may be identical to those preceded by the IMR prefix, the powders are different. To avoid potential confusion, gun damage and personal injury, therefore, handloaders should be careful to note the prefix of recommended powder designations.

Great care must be taken to insure that the correct ammunition is used in your gun.

## KEY TO ABBREVIATIONS FOR HANDGUN DATA

BB	Bevel Base	GC	Gas Check	PSP	Pointed Soft Point
BRPR	Bench Rest Primer	HC	Hollow Cavity	RN	Round Nose
BT	Boat Tail	HP	Hollow Point	SJ	Semi-Jacketed
C	Compressed Charge	J	Jacketed	SP	Soft Point
C.O.L.	Cartridge Overall Length	M	Magnum	SWC	Semi-Wadcutter
FMJ	Full Metal Jacket	MC	Metal Case	WC	Wadcutter
FP	Flat Point	PR	Primer		

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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### .22 REMINGTON JET CF MAG.

REM. CASE; REM. 6 1/2 PR  
REM. 40 GR. (J)  
.222" DIA.; 10.0" BBL.; 1.645" C.O.L.  
"Hi-Skor"

700-X	4.7	1755	32000
PB	5.1	1690	32200
SR 7625	5.3	1745	31200
SR 4756	6.7	1925	31200
IMR 4227	13.5	2290	32900

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
REM. 45 GR. PSP; .224" DIA.;  
10.75" PISTOL BBL.; 1.800" C.O.L.  
"Hi-Skor"

700-X	6.5	1950	51800
PB	7.58	1990	50600
SR 7625	7.8	2010	51700
SR 4756	8.3	2105	52000
"Hi-Skor"			
800-X	9.4	2370	51600
SR 4759	13.2C	2235	36200
IMR 4227	14.9	2535	50000
IMR 4198	17.7C	2575	44500
IMR 3031	17.8C	2015	26800
IMR 4064	18.0C	1905	24700
IMR 4895	18.6C	2055	28600

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
REM. 50 GR. PSP; .224" DIA.;  
10.75" PISTOL BBL.; 1.825" C.O.L.  
"Hi-Skor"

700-X	6.0	1775	51700
PB	7.1	1835	51800
SR 7625	7.1	1850	52000
SR 4756	7.7	1925	51200
"Hi-Skor"			
800-X	9.1	2265	51700
SR 4759	12.7C	2105	38000
IMR 4227	14.7	2390	51400
IMR 4198	16.7C	2380	44000
IMR 3031	17.3C	1960	28200
IMR 4064	17.5C	1835	27500
IMR 4895	18.1C	1995	29900

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
REM. 55 GR. PSP; .224" DIA.;  
10.75" PISTOL BBL.; 1.825" C.O.L.  
"Hi-Skor"

700-X	5.8	1655	51300
PB	6.6	1700	51800
SR 7625	6.6	1710	51500
SR 4756	7.2	1790	51600
"Hi-Skor"			
800-X	8.9	2135	50700
SR 4759	12.2C	2000	37700
IMR 4227	14.4	2315	51700
IMR 4198	16.4C	2315	51700
IMR 3031	16.8C	1900	28000
IMR 4064	17.0C	1740	26300
IMR 4895	17.5C	1950	28700

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
HORNADY 60 GR. HP; .224" DIA.;  
10.75" PISTOL BBL.; 1.825" C.O.L.  
"Hi-Skor"

700-X	5.9	1635	50800
PB	6.7	1685	51200
SR 7625	6.7	1675	51900
SR 4756	7.3	1745	50900
"Hi-Skor"			
800-X	8.6	2025	52000
SR 4759	11.7C	1915	38000
IMR 4227	15.1	2315	51800
IMR 4198	15.7C	5124	37100
IMR 3031	16.1C	1770	23600
IMR 4064	16.3C	1710	22800
IMR 4895	16.8C	1845	28400

### .221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR  
SPEER 70 GR. SEMI SPITZER;  
.224" DIA.; 10.75" PISTOL BBL.;  
1.740" C.O.L.  
"Hi-Skor"

700-X	5.6	1455	50700
PB	6.2	1490	51300
SR 7625	6.3	1510	51500
SR 4756	7.0	1580	51100
"Hi-Skor"			
800-X	7.9	1790	52000
SR 4759	10.8C	1790	52000
IMR 4227	12.5	2015	51500
IMR 4198	14.7C	2045	43200
IMR 3031	14.7C	1685	25900
IMR 4064	15.0C	1575	24200
IMR 4895	15.5C	1725	29100

### .357 MAGNUM

REM. CASE; REM. 5 1/2 DIA.;  
HORNADY 110 GR. JHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.590" C.O.L.  
"Hi-Skor"

700-X	6.6	1165	35600
PB	7.6	1195	36000
SR 7625	7.9	1230	35600
SR 4756	9.5	1330	35800
"Hi-Skor"			
800-X	10.9	1475	33600
IMR 4227	21.0C	1510	35600

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
REM. 125 GR. SJHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.580" C.O.L.  
"Hi-Skor"

700-X	6.2	1075	36000
PB	6.8	1060	35800
SR 7625	7.4	1100	35800
SR 4756	8.6	1180	35800
"Hi-Skor"			
800-X	10.2	1360	35300
IMR 4227	18.5C	1325	34500

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
SPEER 140 GR. JHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.590" C.O.L.  
"Hi-Skor"

700-X	6.00	960	35700
PB	6.4	910	36000
SR 7625	7.0	955	36000
SR 4756	8.2	1025	35500
"Hi-Skor"			
800-X	9.7	1230	35200
IMR 4227	17.2	1210	35700

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
SPEER 148 GR. LEAD WC; .358" DIA.;  
6.0" REVOLVER BBL.; 1.420" C.O.L.  
"Hi-Skor"

700-X	3.0	720	13100
"Hi-Skor"			
700-X	5.1	980	34800
PB	3.3	720	12300
PB	5.7	1010	35400
"Hi-Skor"			
800-X	4.5	710	13500
"Hi-Skor"			
800-X	8.3	1215	35500
SR 7625	6.0	1030	35600
SR 4756	8.5	1215	35600
IMR 4227	15.0C	1185	32700

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
REM. 158 GR. LEAD SWC; .358" DIA.;  
6.0" REVOLVER BBL.; 1.580" C.O.L.  
"Hi-Skor"

700-X	5.5	980	35600
PB	5.9	985	35700
SR 7625	6.5	1020	35800
SR 4756	7.7	1110	35800
"Hi-Skor"			
800-X	8.9	1215	36000

### .357 MAGNUM

REM. CASE; REM. 5 1/2 PR  
REM. 158 GR. SJHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.580" C.O.L.  
"Hi-Skor"

700-X	5.2	885	35800
PB	5.7	875	36000
IMR 7625	6.2	855	35700
SR 4756	7.5	940	35700
"Hi-Skor"			
800-X	8.6	1080	35400

### .38 SPECIAL

REM. CASE; REM. 1 1/2 PR  
REM. 95 GR. SJHP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.470" C.O.L.  
"Hi-Skor"

700-X	4.6	1025	15600
PB	5.1	1055	15600
SR 7625	5.6	1065	15700
SR 4756	6.5	1080	15900
"Hi-Skor"			
800-X	7.8	1195	15700

### .38 SPECIAL

REM. CASE; REM. 1 1/2 PR  
HORNADY 110 GR. HP; .357" DIA.;  
6.0" REVOLVER BBL.; 1.460" C.O.L.  
"Hi-Skor"

700-X	4.2	970	15400
PB	4.8	990	15200
SR 7625	5.5	1060	15400
SR 4756	6.2	1040	15600

# HANDGUN

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

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. (psi)
<b>.38 SPECIAL</b>				<b>.38 SPECIAL</b>				<b>10 MM AUTO</b>				<b>.44 S &amp; W SPECIAL</b>			
REM. CASE; REM. 1 1/2 PR REM. 125 GR. SJHP; .357" DIA.; 6.0" REVOLVER BBL.; 1.525" C.O.L.				REM. CASE; REM. 1 1/2 PR REM. 158 GR. LEAD RN; .358" DIA.; 6.0" REVOLVER BBL.; 1.520" C.O.L.				REM. CASE; REM. 2 1/2 PR HORNADY 200 GR. HP/XTP; .400 DIA. 5.0" BBL.; 1.250" C.O.L.				REM. CASE; REM. 2 1/2 PR HORNADY 240 GR. LEAD SWC; .430" DIA.; 6.5" REVOLVER BBL.; 1.470" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	4.1	840	15600	700-X	3.0	740	11700	700-X	5.2	975	33000	700-X	4.9	740	13900
PB	4.6	865	15500	"Hi-Skor"				PB	5.5	970	34300	PB	5.7	750	14000
SR 7625	5.3	935	15900	700-X	3.6	790	15800	SR 7625	6.2	1040	35700	SR 7625	6.2	770	13800
SR 4756	6.1	925	15900	PB	3.4	745	11700	SR 4756	6.6	1045	35800	"Hi-Skor"			
"Hi-Skor"				PB	4.0	775	15500	"Hi-Skor"				800-X	6.9	695	13900
800-X	6.9	980	15500	SR 7625	3.7	745	10000	800-X	7.8	1130	32500	SR 4756	7.5	760	13600
<b>.38 SPECIAL</b>				<b>.38 SPECIAL</b>				<b>40 S &amp; W</b>				<b>.44 S &amp; W SPECIAL</b>			
REM. CASE; REM. 1 1/2 PR SPEER 140 GR. JHP; .357" DIA.; 6.0" REVOLVER BBL.; 1.455" C.O.L.				REM. CASE; REM. 1 1/2 PR REM. 158 GR. LEAD SWC; .358" DIA.; 6.0" REVOLVER BBL.; 1.550" C.O.L.				WIN. CASE; WIN WSP PR NOSLER 135 GR. HP; .400" DIA. 4.0" PISTOL BBL.; 1.125" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 246 GR. LEAD RN; .431" DIA.; 6.5" REVOLVER BBL.; 1.570" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	3.7	730	15900	700-X	3.2	745	13100	700-X	6.2	1210	32900	700-X	4.8	740	13600
PB	4.2	735	15700	"Hi-Skor"				PB	7.5	1230	31000	PB	5.6	745	13600
SR 7625	4.6	480	15800	700-X	3.5	790	15400	SR 7625	7.8	1250	30200	SR 7625	6.2	780	14000
SR 4756	5.6	765	16000	PB	3.6	750	12200	SR 4756	9.0	1285	30000	"Hi-Skor"			
"Hi-Skor"				PB	4.0	800	15800	"Hi-Skor"				800-X	7.2	730	13900
800-X	6.0	830	15700	SR 7625	3.8	750	11000	800-X	10.5	1305	24000	SR 4756	7.7	775	13800
<b>.38 SPECIAL</b>				<b>.38 SPECIAL</b>				<b>40 S &amp; W</b>				<b>.44 REMINGTON MAGNUM</b>			
REM. CASE; REM. 1 1/2 PR SPEER 148 GR. LEAD BBWC; .358" DIA.; 6.0" REVOLVER BBL.; 1.295" C.O.L.				REM. CASE; REM. 1 1/2 PR REM. 200 GR. LEAD RN; .358" DIA.; 6.0" REVOLVER BBL.; 1.500" C.O.L.				WIN. CASE; WIN WSP PR SIERRA 150 FR. JHP; .400" DIA. 4.0" PISTOL BBL.; 1.125" C.O.L.				REM. CASE; REM. 2 1/2 PR SPEER 200 GR. J MAG. HP; .429" DIA.; 8.25" PISTOL BBL.; 1.610" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	2.6	710	8700	700-X	3.0	725	15000	700-X	5.5	1120	34000	700-X	10.1	1300	40000
"Hi-Skor"				PB	3.4	760	15800	PB	6.5	1135	33500	SR 7625	12.1	1350	39700
700-X	3.5	850	16000	PB	4.0	800	15800	SR 7625	7.2	1165	32500	SR 4756	14.6	1475	39800
PB	2.8	705	8400	SR 7625	3.8	750	11000	SR 4756	7.8	1195	32700	"Hi-Skor"			
PB	3.8	855	15800	SR 7625	4.5	790	16000	"Hi-Skor"				800-X	15.5	1600	39800
SR 7625	3.2	715	8200	"Hi-Skor"				800-X	8.8	1205	25000	IMR 4227	27.0C	1520	33800
SR 7625	4.2	845	16000	800-X	5.0	750	11600	"Hi-Skor"				<b>.44 REMINGTON MAGNUM</b>			
"Hi-Skor"				"Hi-Skor"				800-X	5.9	880	16000	REM. CASE; REM. 2 1/2 PR SPEER 225 GR. JHP; .429" DIA. 8.25" PISTOL BBL.; 1.585" C.O.L.			
800-X	4.3	710	8600	SR 4756	5.4	840	15900	<b>40 S &amp; W</b>				"Hi-Skor"			
"Hi-Skor"				<b>.38 SPECIAL</b>				WIN. CASE; WIN WSP PR HORNADY 180 GR. HP/XTP; .400" DIA. 4.0" PISTOL BBL.; 1.125" C.O.L.				800-X			
800-X	5.5	905	15900	REM. CASE; REM. 1 1/2 PR REM. 200 GR. LEAD WC; .358" DIA.; 6.0" REVOLVER BBL.; 1.225" C.O.L.				"Hi-Skor"				IMR 4227			
SR 4756	5.2	905	16000	"Hi-Skor"				700-X				27.0C			
<b>.38 SPECIAL</b>				<b>.38 SPECIAL</b>				<b>40 S &amp; W</b>				<b>.44 REMINGTON MAGNUM</b>			
REM. CASE; REM. 1 1/2 PR REM. 148 GR. LEAD WC; .358" DIA.; 6.0" REVOLVER BBL.; 1.225" C.O.L.				REM. CASE; REM. 1 1/2 PR REM. 155 GR. JHP; .400" DIA. 5.0" BBL.; 1.250" C.O.L.				WIN. CASE; WIN WSP PR SPEER 200 GR. TMJ; .400" DIA. 4.0" PISTOL BBL.; 1.125" C.O.L.				REM. CASE; REM. 2 1/2 PR SPEER 200 GR. JHP; .429" DIA. 8.25" PISTOL BBL.; 1.590" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	2.4	715	8800	700-X	3.0	725	15000	700-X	4.3	840	33800	700-X	9.8	1235	40000
PB	2.7	710	7900	PB	3.4	760	15800	PB	5.1	975	34400	SR 7625	11.7	1260	39900
SR 7625	2.9	700	6900	PB	4.0	800	15800	SR 7625	5.7	990	33300	"Hi-Skor"			
"Hi-Skor"				SR 7625	3.5	755	15800	SR 4756	6.0	1000	33100	800-X	15.4	1525	39800
800-X	4.0	705	9400	SR 4756	4.3	740	15700	"Hi-Skor"				IMR 4227	23.0C	1295	30700
<b>.38 SPECIAL</b>				<b>10 MM AUTO</b>				<b>40 S &amp; W</b>				<b>.44 REMINGTON MAGNUM</b>			
REM. CASE; REM. 1 1/2 PR SIERRA 150 GR. JHC; .357" DIA.; 6.0" REVOLVER BBL.; 1.445" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 155 GR. JHP; .400" DIA. 5.0" BBL.; 1.250" C.O.L.				WIN. CASE; WIN WSP PR SPEER 200 GR. TMJ; .400" DIA. 4.0" PISTOL BBL.; 1.125" C.O.L.				REM. CASE; REM. 2 1.2 PR SIERRA 240 GR. JHC; .4295" DIA.; 8.25" PISTOL BBL.; 1.590" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	3.5	755	15900	700-X	6.4	1220	34300	700-X	4.6	970	34600	700-X	14.2	1415	39600
PB	4.0	765	15900	PB	7.2	1235	35000	PB	5.1	975	34400	IMR 4227	22.0C	1275	32600
SR 7625	4.3	770	15700	SR 7625	7.8	1275	34300	SR 7625	5.2	885	34100	<b>.44 REMINGTON MAGNUM</b>			
SR 4756	5.4	765	16000	SR 4756	8.5	1310	34400	SR 4756	5.6	905	34200	REM. CASE; REM. 2 1/2 PR REM. 240 GR. JSP; .430" DIA.; 8.25" PISTOL BBL.; 1.610" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
800-X	5.7	795	15600	800-X	9.8	1350	30000	800-X	7.2	1030	26000	800-X			
<b>.38 SPECIAL</b>				<b>10 MM AUTO</b>				<b>41 REMINGTON MAGNUM</b>				<b>.44 REMINGTON MAGNUM</b>			
REM. CASE; REM. 1 1/2 PR HORNADY 158 GR. JFP; .357" DIA.; 6.0" REVOLVER BBL.; 1.465" C.O.L.				REM. CASE; REM. 2 1/2 PR WIN. 180 GR. JHP; .400 DIA. 5.0" BBL.; 1.250" C.O.L.				REM. CASE; REM. 2 1/2 PR SIERRA 170 GR. JHC; .410" DIA.; 10" PISTOL BBL.; 1.575" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 240 GR. JSP; .430" DIA.; 8.25" PISTOL BBL.; 1.610" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	3.4	585	15300	700-X	6.0	1105	34400	700-X	8.4	1375	39800	800-X			
PB	3.9	620	16000	PB	6.4	1105	34900	SIERRA 170 GR. JHC; .410" DIA.; 10" PISTOL BBL.; 1.575" C.O.L.				IMR 4227			
SR 7625	4.3	660	15700	SR 7625	7.0	1140	35100	"Hi-Skor"				24.0C			
SR 4756	5.2	705	15300	SR 4756	7.6	1155	34400	700-X	7.6	1185	39000	1370			
"Hi-Skor"				"Hi-Skor"				SR 7625	9.1	1245	39700	34900			
800-X	5.5	695	15400	800-X	8.7	1210	30000	<b>.41 REMINGTON MAGNUM</b>				<b>.44 REMINGTON MAGNUM</b>			
<b>.38 SPECIAL</b>				<b>10 MM AUTO</b>				<b>41 REMINGTON MAGNUM</b>				<b>.44 REMINGTON MAGNUM</b>			
REM. CASE; REM. 1 1/2 PR HORNADY 158 GR. JFP; .357" DIA.; 6.0" REVOLVER BBL.; 1.465" C.O.L.				REM. CASE; REM. 2 1/2 PR WIN. 180 GR. JHP; .400 DIA. 5.0" BBL.; 1.250" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 210 GR. JSP; .410" DIA.; 10" PISTOL BBL.; 1.590" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 240 GR. JSP; .430" DIA.; 8.25" PISTOL BBL.; 1.610" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	3.4	585	15300	700-X	6.0	1105	34400	700-X	7.6	1185	39000	800-X			
PB	3.9	620	16000	PB	6.4	1105	34900	SR 7625	9.1	1245	39700	IMR 4227			
SR 7625	4.3	660	15700	SR 7625	7.0	1140	35100	<b>.41 REMINGTON MAGNUM</b>				24.0C			
SR 4756	5.2	705	15300	SR 4756	7.6	1155	34400	REM. CASE; REM. 2 1/2 PR REM. 210 GR. JSP; .410" DIA.; 10" PISTOL BBL.; 1.590" C.O.L.				1370			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				34900			
800-X	5.5	695	15400	800-X	8.7	1210	30000	700-X				34900			

# HANDGUN

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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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## .44 REMINGTON MAGNUM

REM. CASE; REM. 2 1/2 PR  
REM. 240 GR. LEAD GC; .423" DIA.;  
8.25" PISTOL BBL.; 1.610" C.O.L.

"Hi-Skor"			
700-X	9.5	1205	39600
SR 7625	11.3	1260	39700
"Hi-Skor"			
800-X	13.5	1400	39600
SR 4756	13.9	1385	39800
IMR 4227	24.0C	1420	35200

## .44 REMINGTON MAGNUM

REM. CASE; REM. 2 1/2 PR  
HORNADY 240 GR. LEAD SWC;  
.430" DIA.; 8.25" PISTOL BBL.;  
1.585" C.O.L.

"Hi-Skor"			
700-X	9.5	1185	40000
SR 7625	10.7	1190	39700
"Hi-Skor"			
800-X	13.4	1395	39600
IMR 4227	22.0C	1310	33300

## .45 A.C.P.

REM. CASE; REM. 2 1/2 PR  
REM. 185 GR. MC HP; .451" DIA.;  
5.0" PISTOL BBL.; 1.271" C.O.L.

"Hi-Skor"			
700-X	5.3	845	17500
PB	6.1	855	17900
SR 7625	6.9	890	18000
"Hi-Skor"			
800-X	8.6	975	18000
SR 4756	8.7	920	17900

## .45 A.C.P.

REM. CASE; REM. 2 1/2 PR  
REM. 185 GR MC SWC MATCH;  
.451" DIA.; 5.0" PISTOL BBL.;  
1.150" C.O.L.

"Hi-Skor"			
700-X	4.4	760	14300
"Hi-Skor"			
700-X	5.5	950	17900
PB	5.1	755	13600
PB	5.9	890	17900
SR 7625	5.7	760	13100
SR 7625	6.5	895	17700
"Hi-Skor"			
800-X	6.8	785	12400
"Hi-Skor"			
800-X	8.2	980	17700
SR 4756	8.4	940	17900

## .45 A.C.P.

REM. CASE; REM. 2 1/2 PR  
SPEER 200 GR. JHP; .451" DIA.;  
5.0" PISTOL BBL.; 1.170" C.O.L.

"Hi-Skor"			
700-X	5.1	815	17500
PB	6.0	825	17200
SR 7625	6.4	825	17200
SR 4756	8.1	880	17700
"Hi-Skor"			
800-X	8.3	840	18000

## .45 A.C.P.

REM. CASE; REM. 2 1/2 PR  
HORNADY 200 GR. LEAD SWC;  
.452" DIA.; 5.0" PISTOL BBL.;  
1.170" C.O.L.

"Hi-Skor"			
700-X	4.4	775	12000
"Hi-Skor"			
700-X	5.5	930	17700
PB	5.1	770	11900
PB	5.9	885	17900
SR 7625	5.6	770	12600
"Hi-Skor"			
800-X	6.4	775	12700
"Hi-Skor"			
800-X	7.9	950	18000
SR 7625	6.5	900	18000
SR 4756	7.0	765	12000
SR 4756	8.2	30	17900

## .45 A.C.P.

REM. CASE; REM. 2 1/2 PR  
REM. 230 GR. LEAD; .451" DIA.;  
5.0" PISTOL BBL.; 1.270" C.O.L.

"Hi-Skor"			
700-X	4.7	775	17700
PB	5.2	765	15500
PB	5.5	810	17900
SR 7625	5.8	775	13600
SR 7625	6.2	825	17700
"Hi-Skor"			
800-X	6.2	760	13800
"Hi-Skor"			
800-X	7.2	860	18000
SR 4756	6.9	770	14000
SR 4756	7.5	960	17800

## .45 A.C.P.

REM. CASE; REM. 2 1/2 PR  
REM. 230 GR. MC; .450" DIA.;  
5.0" PISTOL BBL.; 1.260" C.O.L.

"Hi-Skor"			
700-X	5.0	770	17700
PB	5.5	750	17900
SR 7625	6.0	745	17400
"Hi-Skor"			
800-X	7.3	840	17800
SR 4756	7.4	795	17600

## .45 COLT

REM. CASE; REM. 2 1/2 PR  
REM. 250 GR. LEAD; .454" DIA.;  
7.25" PISTOL BBL.; 1.600" C.O.L.

"Hi-Skor"			
700-X	6.3	815	13710
PB	7.2	830	13600
SR 7625	8.7	895	13900
"Hi-Skor"			
800-X	9.5	915	13700
SR 4756	10.0	885	13500
IMR 4227	17.7	890	14000

## .357 SIG

REM. CASE; REM. 1 1/2  
SPEER 125 GR. GD-HP; .355" DIA.;  
5" PISTOL BBL.; 1.135" C.O.L.

"Hi-Skor"			
800-X	10.0c	1438	36100
PB	6.7	1237	38700
SR-7625	7.9	1304	37100
SR-4756	9.1	1376	38900

## .357 SIG

REM. CASE; REM. 1 1/2  
SPEER 147 GR. GD-HP; .355" DIA.;  
5" PISTOL BBL.; 1.140" C.O.L.

"Hi-Skor"			
700-X	5.6	1119	38400
"Hi-Skor"			
800-X	9.0	1317	38000
PB	5.0	1012	38600

## .38 SUPER AUTO +P

REM. CASE; REM. 2 1/2  
SPEER 124 GR. GD-HP; .355" DIA.;  
5" PISTOL BBL.; 1.260" C.O.L.

"Hi-Skor"			
700-X	5.3	1199	34600
"Hi-Skor"			
800-X	8.0c	1314	31300
PB	5.0	1122	33900
SR-7625	6.3	1219	34300
SR-4756	7.4	1284	34900

## .38 SUPER AUTO +P

REM. CASE; REM. 2 1/2  
SPEER 147 GR. GD-HP; .355" DIA.;  
5" PISTOL BBL.; 1.260" C.O.L.

"Hi-Skor"			
700-X	4.5	1028	34400
"Hi-Skor"			
800-X	6.4	1159	34600
PB	4.1	912	33500
SR-7625	5.1	1004	34000
SR-4756	5.9	1053	33600

## 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.

SR 7625	5.1	1095	32400
SR 4756	6.3C	1175	30600
"Hi-Skor"			
800-X	6.5	1150	30300

## 9 MM LUGER

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

SR 7625	4.9	1040	32300
SR 4756	6.3C	1160	32400
"Hi-Skor"			
800-X	6.5C	1115	28600

## 9 MM LUGER

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

SR 4756	4.4	950	32700
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## .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

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# 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)
<b>38 SPECIAL (COWBOY ACTION)</b>				<b>44 REM MAG (COWBOY ACTION)</b>				<b>45 COLT (COWBOY ACTION)</b>				<b>45 COLT (COWBOY ACTION)</b>			
REM. CASE; REM. 1 1/2				REM. CASE; REM. 2 1/2				REM. CASE; REM. 2 1/2				REM. CASE; REM. 2 1/2			
HORNADY 140 GR. FPCOWBOY; .127" DIA.;				D & J 200 GR. LRN FP; .430" DIA.;				D & J 200 GR. LRN FP; .452" DIA.;				D & J 250 GR. LRN FP; .452" DIA.;			
8" PISTOL BBL.; 1.510" C.O.L.				8.25" PISTOL BBL.; 1.565" C.O.L.				7.5" PISTOL BBL.; 1.585" C.O.L.				7.5" PISTOL BBL.; 1.580" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X	3.0	789	11700	700-X	4.3	818	11700	700-X	5.0	780	7200	700-X	5.2	772	11900
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
800-X	4.0	778	10300	800-X	5.9	813	10500	800-X	7.3	800	6600	800-X	7.0	773	10500
				PB 5.1 781 10700				PB 6.3 766 7000				PB 6.3 767 10800			
				SR-7625 5.9 812 11100				SR-7625 7.3 795 8300				SR-7625 7.0 769 10300			
				SR-4756 7.0 797 10700				SR-4756 8.5 768 6700				SR-4756 8.2 756 10200			
<b>38 SPECIAL (COWBOY ACTION)</b>															
REM. CASE; REM. 1 1/2															
REM 158 GR. SWC; .127" DIA.;															
8" PISTOL BBL.; 1.510" C.O.L.															
"Hi-Skor"															
700-X	3.0	770	12400												
"Hi-Skor"															
800-X	3.8	764	11400												

## 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		
<b>.222 REMINGTON—REM. CASE, REM. 7 1/2 BR PR</b>							
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.	DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC)		CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
				10" BARREL	14" BARREL		
<b>.25/.35 WINCHESTER—REM. CASE, FED. 210 BR PR</b>							
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	
<b>.30 HERRETT—REM. (FORMED BY T/C), CASE, FED. 210 BR PR</b>							
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	
<b>.30/.30 WINCHESTER—REM. CASE, FED. 210 BR PR</b>							
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"

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## THOMPSON/CENTER CONTENDER RELOADING DATA

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

BULLET WT.	DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC)		CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
				10" BARREL	14" BARREL		
<b>.357 HERRETT—WIN. (FORMED BY T/C) CASE, FED. 210 BR PR</b>							
110 GR.	.357"	SR 4759	24.5C	1950	2070	35600	2.080"
HORNADY JHP		IMR 4227	23.8	2095	2225	44500	
		IMR 4198	32.0C	2070	2200	33900	
125 GR.	.357"	SR 4759	24.0C	1880	1990	38400	2.080"
HORNADY JHP		IMR 4227	22.3	1995	2070	44900	
		IMR 4198	31.0C	2015	2135	38100	
158 GR.	.357"	SR 4759	23.0C	1705	1810	42000	2.150"
HORNADY JFP		IMR 4227	20.2	1710	1815	44900	
		IMR 4198	29.9C	1925	2045	44900	
170 GR.	.357"	SR 4759	23.0C	1655	1750	41400	2.230"
SIERRA FMJ SILHOUETTE		IMR 4227	20.1	1640	1735	45000	
		IMR 4198	30.0C	1835	1940	44600	
200 GR.	.358"	SR 4759	23.0C	1575	1675	44100	2.540"
HORNADY SPIRE POINT		IMR 4198	28.2	1715	1820	45000	
		IMR 3031	31.0C	1540	1635	32400	
		IMR 4895	34.0C	1605	1705	38300	
<b>.35 REMINGTON—REM. CASE, FED. 210 BR PR</b>							
158 GR.	.357"	IMR 3031	38.4c	-	2030	34500	2.300"
HORNADY JFP		IMR 3895	37.8	-	1975	34700	
		IMR 4064	39.5C	-	1925	32600	
170 GR.	.357"	IMR 3031	38.5C	-	1985	33700	2.405"
SIERRA FMJ SILHOUETTE		IMR 4895	37.8	-	1920	34100	
		IMR 4064	38.1	-	1850	35000	
250 GR.	.358"	IMR 3031	31.0	-	1620	35000	2.800"
SPEER SPITZER		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.		
	10	12	16	20	28			410	CANISTER	CADDY
"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

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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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05/03

