



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.

RIFLE

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. (cup)
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.300 SAVAGE

REM. CASE; REM. 9 1/2 PR
SPEER 180 GR. RN

.308" DIA.; 24" BBL.; 2.600" C.O.L.

SR 4759	22.5	1910	45500
IMR 4227	23.0	1965	44800
IMR 4198	29.5	2190	45200
IMR 3031	37.0	2390	45900
IMR 4064	38.5	2395	45900
IMR 4895	38.5	2390	45700
IMR 4320	40.0	2390	46000
IMR 4350	44.0C	2350	41900
IMR 4831	44.0C	2240	39300

.308 WINCHESTER

REM. CASE; REM. 9 1/2 PR
HORNADY 110 GR. SPIRE PT.

.308" DIA.; 23" BBL.; 2.600" C.O.L.

SR 4759	31.0	2710	51600
IMR 4227	32.0	2835	51900
IMR 4198	38.5	3015	51100
IMR 3031	45.0C	2990	42200
IMR 4064	47.0C	2955	43300
IMR 4895	49.0C	3130	49200
IMR 4320	49.0C	3010	49200
IMR 4350	47.0C	2500	32000
IMR 4831	47.0C	2330	29200

.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

.30-40 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

.30-40 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	3590

.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

.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

.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 4895	43.0	2445	49700
IMR 4320	46.0	2445	48800
IMR 7828	55.0C	2385	44100

.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 7828	55.0C	2285	41900

.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 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 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.

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 4064	65.5	3240	53700
IMR 4895	64.0	3240	53000
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

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

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

.338 WINCHESTER MAG.

WIN. CASE; WIN 8 1/2-120 PR
WIN. 200 GR. POWDER PT. SP

.338" DIA.; 25" BBL.; 3.330" C.O.L.

SR 4759	39.5	2335	54000
IMR 4227	38.0	2300	53500
IMR 4198	47.5	2565	53500
IMR 3031	61.0	2860	54000
IMR 4064	64.0	2920	54000
IMR 4895	61.0	2880	53700
IMR 4320	63.0	2875	54000
IMR 4350	73.0	3030	53900
IMR 4831	76.0C	3020	51000

.338 WINCHESTER MAG.

REM. CASE; REM. 9 1/2 M PR
NOSLER 250 GR. SPITZER

.338" DIA.; 24" BBL.; 3.340" C.O.L.

IMR 7828	74.0C	2565	44400
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.338 WINCHESTER MAG.

REM. CASE; REM. 9 1/2 M PR
SPEER 275 GR. SPITZER

.338" DIA.; 24" BBL.; 3.340" C.O.L.

IMR 7828	71.0C	2430	43400
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.338 WINCHESTER MAG.

WIN. CASE; WIN 8 1/2-120 PR
WIN. 300 GR. POWER PT. SP

.338" DIA.; 25" BBL.; 3.330" C.O.L.

SR 4759	34.5	1795	54000
IMR 4227	34.0	1800	53600
IMR 4198	42.5	2050	53500
IMR 3031	53.5	2260	53800
IMR 4064	56.0	2305	53800
IMR 4895	52.5	2265	54000
IMR 4320	54.5	2275	53700
IMR 4350	64.5	2410	53800
IMR 4831	68.5C	2480	54000

.357 MAGNUM (RIFLE)

REM. CASE; REM. 5 1/2 PR
HORNADY 125 GR. HP

.357" DIA.; 18.5" BBL.; 1.590" C.O.L.

"Hi-Skor"

700-X	6.7	1455	35700
PB	7.2	1435	34600
SR 7625	7.4	1460	35300
SR 4756	9.2	1615	35800
IMR 4227	20.0X	1935	34100

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.