



Rifle Loading Data

WARNING: Reduce listed load by 10% for a start charge

17 REMINGTON

Gun: DOUGLAS
Barrel length: 24"
Primer: REM 7-1/2
Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
25	2.170"	2230	21.5	3877
25	2.170"	2460	22.0	3965
25	2.170"	2520	22.7	3973
25	2.170"	4064	24.0	4045
25	2.170"	2700	27.0	4083

22 HORNET

Gun: DOUGLAS
Barrel length: 24"
Primer: CCI 500*
Case: WW

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
40	1.715"	1680	14.0	2785
40	1.715"	2015	12.5	2002
45/46	1.720"	1680	12.3	2493
45/46	1.720"	2015	12.5	2078

A small pistol primer is used to improve load uniformity on this small cartridge.

CAUTION - This loading data was developed in Winchester brass. RWS, Sako, and Norma brass have less capacity, so reduce charge weights accordingly

22 BR REMINGTON

Gun: DOUGLAS
Barrel length: 26"
Primer: REM 7-1/2
Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
50	2.000"	2015	30.5	3729
50	2.000"	2230	33.3	3765

50	2.000"	2460	33.5	3762
50	2.000"	2495	32.0	3559
50	2.000"	2520	33.7	3751
50	2.000"	2700	35.0	3476
53	1.985"	2015	29.5	3579
53	1.985"	2230	32.2	3617
53	1.985"	2460	32.8	3653
53	1.985"	2495	31.5	3541
53	1.985"	2520	32.8	3620
53	1.985"	2700	35.0	3310
55	1.970"	2015	29.0	3490
55	1.970"	2230	32.0	3566
55	1.970"	2460	32.5	3605
55	1.970"	2495	31.0	3447
55	1.970"	2520	32.7	3590
55	1.970"	4064	32.5	3513
55	1.970"	2700	34.0	3357

222 REMINGTON

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 7-12

Case: REM/WIN

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
45	2.065"	1680	21.0	3297
45	2.065"	2015	24.5	3384
45	2.065"	2230	27.0	3447
45	2.065"	2460	27.0	3405
45	2.065"	2520	25.0	3156
50	2.150"	1680	18.5	3009
50	2.150"	2015	23.5	3208
50	2.150"	2230	24.5	3227
50	2.150"	2460	24.5	3204
50	2.150"	2520	25.0	3081
55	2.155"	1680	19.0	2896
55	2.155"	2015	22.5	3047
55	2.155"	2230	24.5	3106
55	2.155"	2460	24.5	3091
55	2.155"	2520	24.5	2962

22/250 REMINGTON**Gun: APEX****Barrel length: 24"****Primer: CCI 200****Case: REM****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
50	2.350"	2015	34.0	3790
50	2.350"	2230	36.0	3800
50	2.350"	2460	36.5	3831
50	2.350"	2520	37.0	3819
50	2.350"	4064	38.0	3796
50	2.350"	4350	40.0	3531
53	2.380"	2015	33.5	3659
53	2.380"	2230	34.0	3584
53	2.380"	2460	35.0	3629
53	2.380"	2520	35.5	3599
53	2.380"	4064	37.5	3767
53	2.380"	4350	40.0	3505
55	2.370"	2015	33.0	3598
55	2.370"	2230	35.0	3609
55	2.370"	2460	36.0	3670
55	2.370"	2520	36.0	3605
55	2.370"	4064	37.0	3632
55	2.370"	2700	40.0	3655
55	2.370"	4350	40.0	3466
60	2.400"	2015	33.0	3497
60	2.400"	2230	34.0	3425
60	2.400"	2460	35.0	3499
60	2.400"	2520	36.0	3512
60	2.400"	4064	36.0	3507
60	2.400"	2700	38.0	3478
60	2.400"	4350	40.0	3395
70	2.325"	2015	30.0	3126
70	2.325"	2230	31.0	3091
70	2.325"	2460	31.0	3077
70	2.325"	2520	32.5	3144
70	2.325"	4064	32.2	3220
70	2.325"	2700	34.5	3121
70	2.325"	4350	38.0	3244

223 REMINGTON**Gun: WILSON****Barrel length: 24"****Primer: REM 7-1/2****Case: REM****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
50	2.235"	1680	20.5	3146

50	2.235"	2015	25.5	3387
50	2.235"	2230	26.0	3342
50	2.235"	2460	26.0	3329
50	2.235"	2495	26.5	3282
50	2.235"	2520	28.5	3346
53	2.225"	1680	20.0	3047
53	2.225"	2015	24.5	3268
53	2.225"	2230	26.0	3252
53	2.225"	2460	25.5	3234
53	2.225"	2495	26.0	3266
53	2.225"	2520	27.5	3235
55	2.230"	1680	20.5	3058
55	2.230"	2015	25.0	3281
55	2.230"	2230	26.0	3216
55	2.230"	2460	26.5	3231
55	2.230"	2495	26.2	3271
55	2.230"	2520	27.5	3224
69	2.250"	2015	23.0	2917
69	2.250"	2230	24.5	2929
69	2.250"	2460	24.7	2991
69	2.250"	2495	25.0	2964
69	2.250"	2520	27.0	3044

NOTE: Some military cases are much heavier than commercial brass cases and may require reduction of charge weight by 8-12%. Use extra caution when loading with military brass.

22 PPC

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 7-1/2

Case: SAKO

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
50	2.000"	2015	26.0	3462
50	2.000"	2230	29.0	3617
50	2.000"	2460	29.0	3577
50	2.000"	2495	28.0	3503
50	2.000"	2520	29.0	3466
53	1.975"	2015	25.5	3374
53	1.975"	2230	28.5	3498
53	1.975"	2460	29.0	3531
53	1.975"	2495	28.0	3504
53	1.975"	2520	29.0	3431
55	1.960"	2015	25.0	3278
55	1.960"	2230	28.0	3404
55	1.960"	2460	28.0	3364
55	1.960"	2495	27.6	3421

257 ROBERTS**Gun: DOUGLAS****Barrel length: 24"****Primer: CCI 200****Case: REM****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
75	2.745"	2520	39.5	3169
75	2.745"	4064	42.3	3300
75	2.745"	2700	46.0	3243
75	2.745"	4350	47.0	3257
75	2.745"	3100	51.0	3163
90	2.735"	2520	37.0	2947
90	2.735"	4064	40.5	3062
90	2.735"	2700	42.0	2989
90	2.735"	4350	45.0	3001
90	2.735"	3100	50.0	3056
100	2.785"	2520	35.0	2745
100	2.785"	4064	38.0	2796
100	2.785"	2700	41.0	2854
100	2.785"	4350	44.5	2898
100	2.785"	3100	49.0	2864
117	2.775"	2520	34.0	2555
117	2.775"	2700	39.0	2619
117	2.775"	4350	43.0	2700
117	2.775"	3100	48.0	2736
55	1.960"	2520	29.0	3366

220 SWIFT**Gun: RUGER 77V****Barrel length: 26"****Primer: FED 210****Case: WIN****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
50	2.700"	4064	39.0	3843
50	2.700"	2700	45.0	4035
50	2.700"	4350	44.0	3940
50	2.700"	3100	44.0	3589
55	2.680"	4064	37.0	3566
55	2.680"	2700	43.5	3832
55	2.680"	4350	44.0	3896
55	2.680"	3100	44.0	3588
60	2.700"	2700	42.0	3607
60	2.700"	4350	44.0	3820
60	2.700"	3100	44.0	3528
63	2.660"	2700	41.0	3717
63	2.660"	4350	41.5	3646
63	2.660"	3100	44.0	3582
70	2.660"	2700	39.0	3435
70	2.660"	4350	41.5	3486
70	2.660"	3100	44.0	3412

25/06 REMINGTON**Gun: WISEMAN****Barrel length: 24"****Primer: CCI 250****Case: REM****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
75	3.065"	2700	53.0	3753
75	3.065"	4350	59.0*	3780
75	3.065"	3100	60.0*	3585
90	3.075"	2700	50.0	3416
90	3.075"	4350	54.0	3472
90	3.075"	3100	56.5*	3370
100	3.250"	2700	48.0	3213
100	3.250"	4350	52.0	3273
100	3.250"	3100	55.0*	3283
100	3.250"	8700	65.0*	2843
115	3.195"	2700	45.7	2949
115	3.195"	4350	49.5	3053
115	3.195"	3100	52.8	3059
115	3.195"	8700	64.0*	2803

120	3.120"	2700	45.0	2893
120	3.120"	4350	49.0	2942
120	3.120"	3100	52.0	2978
120	3.120"	8700	64.0*	2723

* Denotes a compressed load.

6.5 x 55mm SWEDISH

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 200

Case: PMC

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
100	2.975"	2520	41.0	2965
100	2.975"	4064	44.0	3060
100	2.975"	2700	48.0	3093
100	2.975"	4350	48.0	2929
100	2.975"	3100	49.0	2724
129	3.025"	2520	37.5	2558
129	3.025"	4064	41.5	2738
129	3.025"	2700	43.0	2655
129	3.025"	4350	46.0	2753
129	3.025"	3100	49.0	2721
140	3.000"	2520	37.0	2502
140	3.000"	4064	40.0	2569
140	3.000"	2700	42.0	2570
140	3.000"	4350	45.0	2629
140	3.000"	3100	47.0	2524
140	3.000"	8700	53.0	2193

270 WINCHESTER

Gun: H.S. PRECISION

Barrel length: 24"

Primer: REM 9-1/2

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
150 (L)	3.250"	8700	60.0	2374
90	3.090"	4064	53.0	3455
90	3.090"	2700	57.0	3452
90	3.090"	4350	61.0	3484
90	3.090"	3100	61.0	3127
100	3.175"	4064	52.0	3339
100	3.175"	2700	56.0	3340
100	3.175"	4350	60.0	3356
100	3.175"	3100	61.0	3100
110	3.240"	4064	51.0	3197
110	3.240"	2700	55.0	3232
110	3.240"	4350	59.0	3300

110	3.240"	3100	61.0	3128
130	3.330"	4064	48.0	2920
130	3.330"	2700	52.0	2954
130	3.330"	4350	55.0	3020
130	3.330"	3100	61.0	3065
140	3.330"	2700	52.0	2893
140	3.330"	4350	56.0	2988
140	3.330"	3100	60.0	2962
140	3.330"	8700	64.0	2453
150	3.300"	2700	50.0	2738
150	3.300"	4350	53.0	2880
150	3.300"	3100	58.0	2894
150	3.300"	8700	63.0	2532

6mm PPC

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 7-1/2

Case: SAKO

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
60	2.050"	2015	27.2	3163
60	2.050"	2230	29.5	3175
60	2.050"	2460	30.0	3200
60	2.050"	2495	28.5	3175
70	2.080"	2015	27.0	2957
70	2.080"	2230	28.5	2924
70	2.080"	2460	29.5	2981
70	2.080"	2495	28.5	3021

6mm BR REMINGTON

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 7-12

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
70	2.170"	2015	30.5	3281
70	2.170"	2230	32.5	3256
70	2.170"	2460	33.0	3275
70	2.170"	2495	31.5	3262
70	2.170"	2520	34.0	3283
70	2.170"	2700	35.0	2949
80	2.120"	2015	29.0	3044
80	2.120"	2230	31.0	3037
80	2.120"	2460	32.0	3124
80	2.120"	2495	30.0	3075
80	2.120"	2520	33.0	3121
80	2.120"	2700	35.0	2933

243 WINCHESTER**Gun: H.S. PRECISION****Barrel length: 24"****Primer: CCI 200****Case: WIN****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
70	2.650"	2015	36.5	3395
70	2.650"	2495	39.0	3489
70	2.650"	2520	39.0	3365
70	2.650"	4064	42.0	3479
70	2.650"	2700	45.0	3498
70	2.650"	4350	48.0	3531
70	2.650"	3100	48.0	3216
80	2.700"	2015	33.5	3121
80	2.700"	2495	36.0	3230
80	2.700"	4064	37.0	3194
80	2.700"	2700	42.0	3233
80	2.700"	4350	44.0	3316
80	2.700"	3100	47.0	3271
85	2.660"	2495	35.0	3072
85	2.660"	4064	38.0	3140
85	2.660"	2700	41.0	3140
85	2.660"	4350	44.0	3294
85	2.660"	3100	46.0	3132
100	2.700"	2495	30.0	2653
100	2.700"	4064	31.0	2644
100	2.700"	2700	36.0	2753
100	2.700"	4350	39.0	2981
100	2.700"	3100	43.0	2966

6mm REMINGTON**Gun: DOUGLAS****Barrel length: 24"****Primer: CCI 200****Case: FED****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
70	2.775"	2015	40.8	3501
70	2.775"	2495	42.0	3568
70	2.775"	4064	44.5	3677
70	2.775"	4350	50.0	3428
70	2.775"	3100	51.0	3187
80	2.825"	2015	38.8	3276
80	2.825"	2495	40.0	3280
80	2.825"	4064	43.5	3485
80	2.825"	2700	48.0	3416
80	2.825"	4350	49.5	3406
80	2.825"	3100	51.0	3186

100	2.825"	2015	36.5	2896
100	2.825"	4064	40.0	3070
100	2.825"	2700	45.5	3059
100	2.825"	4350	45.6	3041
100	2.825"	3100	48.0	2981

250/3000 SAVAGE

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 9-1/2

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
75	2.465"	2015	31.5	3115
75	2.465"	2230	33.5	3114
75	2.465"	2460	34.0	3179
75	2.465"	2520	34.0	3121
75	2.465"	4064	36.0	3170
75	2.465"	4350	41.0	3034
75	2.465"	3100	41.0	2735
90	2.465"	2015	30.5	2929
90	2.465"	2230	32.0	2905
90	2.465"	2460	32.0	2897
90	2.465"	2520	32.5	2902
90	2.465"	4064	35.0	2997
90	2.465"	4350	40.0	2931
90	2.465"	3100	41.0	2731
100	2.500"	2015	30.0	2792
100	2.500"	2230	30.0	2662
100	2.500"	2460	31.0	2687
100	2.500"	2520	32.0	2760
100	2.500"	4064	35.0	2864
100	2.500"	4350	39.0	2781
100	2.500"	3100	41.0	2667

280 REMINGTON

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 9-1/2

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
120	3.200"	2700	52.5	3001

120	3.200"	4350	57.0	3112
120	3.200"	3100	60.0	3025
140	3.310"	2700	48.5	2710
140	3.310"	4350	51.0	2776
140	3.310"	3100	57.0	2839
154	3.330"	2700	49.0	2718
154	3.330"	4350	54.0	2825
154	3.330"	3100	58.0	2792
160	3.300"	2700	48.5	2663
160	3.300"	4350	52.0	2742
160	3.300"	3100	57.5	2775
175	3.300"	2700	46.0	2428
175	3.300"	4350	51.5	2583
175	3.300"	3100	57.0	2681

7mm REMINGTON MAGNUM

Gun: OBERMEYER

Barrel length: 24"

Primer: CCI 250

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
120	3.260"	4064	54.0	3159
120	3.260"	2700	61.5	3174
120	3.260"	4350	63.0	3215
120	3.260"	3100	71.3	3325
120	3.260"	8700	79.0	2982
140	3.270"	4064	53.0	2937
140	3.270"	2700	59.5	2995
140	3.270"	4350	61.0	3028
140	3.270"	3100	68.0	3092
140	3.270"	8700	80.0	2777
150	3.280"	4064	51.5	2808
150	3.280"	2700	57.5	2900
150	3.280"	4350	61.0	2968
150	3.280"	3100	66.0	3003
150	3.280"	8700	79.0	2951
160	3.280"	4064	49.5	2667
160	3.280"	2700	57.5	2781
160	3.280"	4350	57.0	2768
160	3.280"	3100	63.5	2855
160	3.280"	8700	79.0	2933
175	3.275"	4064	48.0	2502
175	3.275"	2700	53.0	2581
175	3.275"	4350	56.0	2653
175	3.275"	3100	60.5	2700
175	3.275"	8700	75.0	2754

7-30 WATERS

(flat point bullets only)

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 9-1/2

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
120	2.530"	2015	33.0	2687
120	2.530"	2230	34.0	2646
120	2.530"	2460	34.0	2614
120	2.530"	2520	37.0	2734
120	2.530"	4064	38.0	2725
139	2.665"	2015	31.0	2403
139	2.665"	2230	34.0	2542
139	2.665"	2460	34.5	2548
139	2.665"	2520	34.5	2472
139	2.665"	4064	35.5	2532

7mm WEATHERBY MAGNUM

Gun: DOUGLAS BARREL

Barrel length: 26" Primer:

REM 9-1/2 M

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
120	3.310"	4350	71.0	3484
120	3.310"	3100	76.0	3477
120	3.310"	8700	86.0	3073
139	3.340"	4350	69.0	3293
139	3.340"	3100	74.0	3313
139	3.340"	8700	82.0	2929
150	3.350"	4350	65.0	3090
150	3.350"	3100	72.0	3199
150	3.350"	8700	82.0	2902
160	3.355"	4350	65.0	3039
160	3.355"	3100	70.5	3106
160	3.355"	8700	81.0	2892
175	3.360"	4350	63.0	2894
175	3.360"	3100	69.0	2976
175	3.360"	8700	80.0	2775

7 x 57mm MAUSER

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 200

Case: WIN

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
140	3.025"	4064	42.0	2683

140	3.025"	2700	47.5	2742
140	3.025"	4350	51.0	2836
140	3.025"	3100	51.0	2561
150	3.060"	4064	40.0	2519
150	3.060"	2700	46.0	2626
150	3.060"	4350	49.0	2722
150	3.060"	3100	51.0	2581
175	3.040"	4064	39.0	2342
175	3.040"	2700	43.0	2401
175	3.040"	4350	47.0	2507
175	3.040"	3100	50.0	2442

Remington rolling block, use start charges only.

7mm08 REMINGTON

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 200

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
120	2.765"	2015	38.2	2887
120	2.765"	2230	40.3	2887
120	2.765"	2460	40.7	2922
120	2.765"	2520	41.4	2874
120	2.765"	4064	43.0	2958
120	2.765"	2700	46.5	2871
120	2.765"	4350	47.5	2794
120	2.765"	3100	47.5	2498
140	2.800"	2015	37.0	2699
140	2.800"	2230	39.0	2711
140	2.800"	2460	40.0	2768
140	2.800"	2520	39.5	2700
140	2.800"	4064	42.0	2775
140	2.800"	2700	44.5	2700
140	2.800"	4350	47.5	2803
140	2.800"	3100	47.5	2535
150	2.800"	2015	36.0	2578
150	2.800"	2230	38.0	2620
150	2.800"	2460	38.3	2625
150	2.800"	2520	39.0	2612
150	2.800"	4064	41.0	2667
150	2.800"	2700	43.5	2635
150	2.800"	4350	46.5	2731
150	2.800"	3100	47.0	2494
160	2.800"	2015	35.0	2440
160	2.800"	2230	36.5	2435
160	2.800"	2460	37.0	2452

Rifle Loading Data

160	2.800"	2520	38.0	2455
160	2.800"	4064	40.0	2553
160	2.800"	4350	46.0	2630
160	2.800"	3100	47.0	2452
175	2.795"	2015	35.0	2316
175	2.795"	2230	37.0	2373
175	2.795"	2460	37.0	2366
175	2.795"	2520	38.0	2364
175	2.795"	4064	39.5	2368
175	2.795"	2700	42.0	2387
175	2.795"	4350	45.5	2501
175	2.795"	3100	47.0	2352

30/30 WINCHESTER

(FN/RN point bullets only)

Gun: H.S. PRECISION

Barrel length: 20"

Primer: CCI 200

Case: FED

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
152(L)	2.450"	2015	25.5	1987
152(L)	2.450"	2230	26.0	1973
152(L)	2.450"	2460	27.0	1994
152(L)	2.450"	2495	28.5	2049
152(L)	2.450"	2520	27.5	2004
173(L)	2.550"	2015	26.0	1988
173(L)	2.550"	2230	26.0	1954
173(L)	2.550"	2460	27.5	2017
173(L)	2.550"	2495	27.5	2013
173(L)	2.550"	2520	28.5	2053
150	2.540"	2015	29.0	2192
150	2.540"	2230	31.7	2273
150	2.540"	2460	32.5	2290
150	2.540"	2495	30.5	2227
150	2.540"	2520	33.5	2325
150	2.540"	4064	33.0	2245
150	2.540"	2700	37.0	2265
170	2.545"	2015	27.0	2038
170	2.545"	2230	30.0	2124
170	2.545"	2460	30.2	2118
170	2.545"	2495	29.5	2095
170	2.545"	2520	31.5	2129
170	2.545"	4064	30.0	1997
170	2.545"	2700	35.0	2098

308 WINCHESTER

Gun: H.S. PRECISION

Barrel length: 24"

Primer: CCI 200

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
110	2.595"	2015	45.0	3189
110	2.595"	2230	47.5	3171
110	2.595"	2460	48.5	3193
110	2.595"	2495	47.0	3022
110	2.595"	2520	47.5	3020
125	2.780"	2015	43.5	3018
125	2.780"	2230	47.0	3017
125	2.780"	2460	47.0	3014
125	2.780"	2495	47.0	2931

125	2.780"	2520	47.5	2955
150	2.745"	2015	41.5	2764
150	2.745"	2230	43.5	2712
150	2.745"	2460	45.0	2765
150	2.745"	2495	46.0	2806
150	2.745"	2520	46.5	2809
150	2.745"	4064	45.5	2760
150	2.745"	2700	48.5	2506
168	2.800"	2015	40.0	2642
168	2.800"	2230	42.0	2610
168	2.800"	2460	42.5	2601
168	2.800"	2495	44.5	2654
168	2.800"	2520	45.0	2712
168	2.800"	4064	43.0	2571
168	2.800"	2700	47.0	2493
180	2.800"	2230	40.0	2439
180	2.800"	2460	41.5	2474
180	2.800"	2495	43.0	2592
180	2.800"	2520	44.5	2616
180	2.800"	4064	42.0	2466
180	2.800"	2700	47.0	2470
190	2.800"	2230	38.5	2368
190	2.800"	2460	39.0	2367
190	2.800"	2495	40.0	2395
190	2.800"	2520	41.5	2418
190	2.800"	4064	41.0	2415
190	2.800"	2700	45.0	2312

NOTE: Some military cases are much heavier than commercial brass cases and may require reduction of charge weight by 8-12%.
Use extra caution when loading with military brass.

7.62 x 54mm RUSSIAN

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 250

Case: NORMA

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
180(L)	2.830"	4350	50.0	2439
180(L)	2.830"	3100	53.0	2343
180(L)	2.830"	8700	55.0	1819
150	2.850"	4350	54.0	2673
150	2.850"	3100	55.0	2465
150	2.850"	8700	58.0	1898
180	2.900"	4350	51.0	2497
180	2.900"	3100	55.0	2457

30/06 SPRINGFIELD**Gun: WILSON****Barrel length: 24"****Primer: CCI 200/250****Case: IMI****Maximum Loads**

Bullet	OAL	Powder	Grains	Vel.
152(L)*	3.035"	2015	40.0	2623
152(L)*	3.035"	2230	41.0	2586
152(L)*	3.035"	2460	41.0	2598
152(L)*	3.035"	2495	42.0	2435
152(L)*	3.035"	2520	42.0	2582
152(L)*	3.035"	4064	46.0	2598
152(L)*	3.035"	8700	60.0	2000
180(L)*	3.015"	2015	40.0	2470
180(L)*	3.015"	2230	41.0	2422
180(L)*	3.015"	2460	41.0	2406
180(L)*	3.015"	2495	42.0	2450
180(L)*	3.015"	2520	42.0	2412
180(L)*	3.015"	4064	45.0	2441
180(L)*	3.015"	8700	60.0	1999
210(L)*	3.195"	2015	36.0	2188
210(L)*	3.195"	2230	38.0	2186
210(L)*	3.195"	2460	38.5	2191
210(L)*	3.195"	2495	40.0	2233
210(L)*	3.195"	2520	40.0	2232
210(L)*	3.195"	4064	43.0	2304
210(L)*	3.195"	8700	60.0	2014
110	2.900"	2015	53.5	3374
110	2.900"	2230	57.0	3385
110	2.900"	2460	58.5	3421
110	2.900"	2495	58.0	3446
110	2.900"	2520	60.0	3436
110	2.900"	4064	58.0	3401
110	2.900"	2700	62.0	3280
110	2.900"	4350	NR	NR
110	2.900"	3100	NR	NR
110	2.900"	8700	NR	NR
125	3.150"	2015	52.0	3189
125	3.150"	2230	53.3	3172
125	3.150"	2460	53.5	3125
125	3.150"	2495	54.0	3220
125	3.150"	2520	54.0	3126
125	3.150"	4064	57.0	3286
125	3.150"	2700	62.0	3195
125	3.150"	4350	60.0	2892
125	3.150"	3100	NR	NR

Rifle Loading Data

125	3.150"	8700	NR	NR
150	3.250"	2015	48.0	2881
150	3.250"	2230	49.4	2865
150	3.250"	2460	49.5	2862
150	3.250"	2495	51.5	2907
150	3.250"	2520	51.2	2870
150	3.250"	4064	52.5	3010
150	3.250"	2700	59.0	2932
150	3.250"	4350	59.0	2815
150	3.250"	3100	59.0	2610
150	3.250"	8700	NR	NR
168	3.295"	2015	45.5	2710
168	3.295"	2230	46.0	2663
168	3.295"	2460	46.7	2659
168	3.295"	2495	47.0	2707
168	3.295"	2520	47.5	2681
168	3.295"	4064	51.5	2827
168	3.295"	2700	54.0	2732
168	3.295"	4350	59.0	2825
168	3.295"	3100	59.0	2614
168	3.295"	8700	NR	NR
180	3.290"	2015	44.5	2588
180	3.290"	2230	44.0	2568
180	3.290"	2460	45.8	2563
180	3.290"	2495	45.5	2595
180	3.290"	2520	46.8	2585
180	3.290"	4064	48.5	2704
180	3.290"	2700	55.0	2646
180	3.290"	4350	57.0	2715
180	3.290"	3100	59.0	2611
180	3.290"	8700	NR	NR
190	3.325"	2015	43.0	2492
190	3.325"	2230	44.0	2477
190	3.325"	2460	45.5	2537
190	3.325"	2495	44.0	2492
190	3.325"	2520	45.5	2514
190	3.325"	4064	47.5	2626
190	3.325"	2700	52.0	2519
190	3.325"	4350	55.5	2663
190	3.325"	3100	59.0	2574
190	3.325"	8700	62.0	2173
200	3.295"	2015	42.0	2343
200	3.295"	2230	43.5	2386
200	3.295"	2460	44.5	2429
200	3.295"	2495	43.0	2379
200	3.295"	2520	45.0	2432
200	3.295"	4064	46.0	2475

200	3.295"	2700	51.5	2441
200	3.295"	4350	55.0	2569
200	3.295"	3100	59.0	2561
200	3.295"	8700	62.0	2187
220	3.200"	2015	42.0	2253
220	3.200"	2230	42.5	2248
220	3.200"	2460	43.0	2268
220	3.200"	2495	42.5	2222
220	3.200"	2520	44.0	2288
220	3.200"	4064	45.0	2315
220	3.200"	2700	49.5	2327
220	3.200"	4350	55.0	2467
220	3.200"	3100	59.0	2470
220	3.200"	8700	62.0	2168

*CCI 250 primer

NOTE: Data listed above is for the Sierra 220 gr RN. When loading the Sierra 220 gr. HPBT, start and maximum charge will be 2 grains less.

NOTE: Some military cases are much heavier than commercial brass cases and may require reduction of charge weight by 8-12%. Use extra caution when loading with military brass.

180	2.900"	8700	57.0	1814
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300 WINCHESTER MAGNUM

Gun: H.S. PRECISION

Barrel length: 24"

Primer: CCI 220

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
110	3.170"	2520	67.0	3512
110	3.170"	2700	78.5	3656
110	3.170"	4350	79.5	3541
110	3.170"	3100	82.0	3419
125	3.250"	2520	65.0	3343
125	3.250"	2700	74.5	3478
125	3.250"	4350	78.5	3462
125	3.250"	3100	82.0	3373
130	3.300"	2520	63.0	3237
130	3.300"	2700	73.5	3386
130	3.300"	4350	77.0	3378
130	3.300"	3100	82.0	3378
150	3.380"	2520	58.0	2959
150	3.380"	2700	69.5	3177
150	3.380"	4350	73.0	3144
150	3.380"	3100	76.0	3108
168	3.475"	2700	67.0	2959
168	3.475"	4350	72.0	3060
168	3.475"	3100	73.5	2945
180	3.450"	2700	66.0	2879
180	3.450"	4350	69.0	2894

180	3.450"	3100	72.0	2899
180	3.450"	8700	86.0	2813
190	3.450"	2700	63.5	2778
190	3.450"	4350	68.0	2861
190	3.450"	3100	70.0	2803
190	3.450"	8700	86.0	2813
200	3.340"	2700	62.0	2697
200	3.340"	4350	64.0	2696
200	3.340"	3100	69.0	2703
200	3.340"	8700	86.0	2747
220	3.300"	2700	59.5	2445
220	3.300"	4350	65.0	2600
220	3.300"	3100	67.0	2560
220	3.300"	8700	86.0	2694

303 BRITISH

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 250

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
180(L)	2.930"	2015	38.0	2462
180(L)	2.930"	2230	39.0	2459
180(L)	2.930"	2460	40.0	2480
180(L)	2.930"	2495	44.0	2529
180(L)	2.930"	2520	40.0	2448
180(L)	2.930"	4064	44.0	2523
180(L)	2.930"	2700	42.0	2312
180(L)	2.930"	4350	46.0	2302
180(L)	2.930"	3100	46.0	2063
180(L)	2.930"	8700	48.0	1630
150	3.010"	2015	41.0	2714
150	3.010"	2230	43.0	2704
150	3.010"	2460	44.0	2728
150	3.010"	2495	46.0	2727
150	3.010"	2520	46.0	2769
150	3.010"	4064	47.5	2755
150	3.010"	2700	48.0	2561
150	3.010"	4350	46.0	2254
180	3.000"	2015	38.0	2420
180	3.000"	2230	40.0	2472
180	3.000"	2460	40.5	2442
180	3.000"	2495	44.0	2478
180	3.000"	2520	44.0	2568
180	3.000"	4064	45.0	2537
180	3.000"	2700	46.0	2428

180	3.000"	4350	46.0	2280
180	3.000"	3100	46.0	2042

8 x 57mm MAUSER

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 250

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
170 (L)	2.710"	4350	47.0	2253
170 (L)	2.710"	3100	53.0	2205
170 (L)	2.710"	8700	54.5	1797
150	2.950"	4350	50.0	2394
150	2.950"	3100	53.0	2228
150	2.950"	8700	54.5	1730
170	2.840"	4350	48.0	2262
170	2.840"	3100	53.0	2181
170	2.840"	8700	54.5	1731
200	2.970"	4350	44.0	2039
200	2.970"	3100	49.0	1980
200	2.970"	8700	54.5	1692

338 WINCHESTER MAGNUM

Gun: H.S. PRECISION

Barrel length: 24"

Primer: CCI 250

Case: FED

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
200	3.335"	2495	57.0	2807
200	3.335"	2520	62.5	2843
200	3.335"	4064	63.0	2861
200	3.335"	2700	70.5	2898
200	3.335"	4350	73.0	2950
200	3.335"	3100	76.0	2833
200	3.335"	8700	80.0	2303
225	3.340"	2495	54.0	2585
225	3.340"	2520	56.0	2579
225	3.340"	4064	60.5	2702
225	3.340"	2700	66.0	2703
225	3.340"	4350	70.5	2800
225	3.340"	3100	73.0	2682
225	3.340"	8700	79.0	2247
250	3.340"	2495	52.0	2445
250	3.340"	2520	56.0	2474
250	3.340"	4064	58.0	2548
250	3.340"	2700	63.0	2547
250	3.340"	4350	65.0	2586
250	3.340"	3100	71.0	2607

250	3.340"	8700	81.0	2338
275	3.330"	2495	50.0	2242
275	3.330"	2520	53.0	2296
275	3.330"	4064	55.0	2348
275	3.330"	2700	63.5	2451
275	3.330"	4350	64.0	2459
275	3.330"	3100	68.0	2432
275	3.330"	8700	78.0	2297

35 REMINGTON

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 200

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
200 (L)	2.410"	2230	32.5	1909
200 (L)	2.410"	2460	34.0	1961
200 (L)	2.410"	2520	38.0	2084
180	2.465"	2230	36.5	2061
180	2.465"	2460	37.0	2089
180	2.465"	2520	39.0	2122
200	2.470"	2230	35.0	1982
200	2.470"	2460	37.0	2028
200	2.470"	2520	39.0	2071

35 WHELEN

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 200

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
200	3.140"	2015	54.0	2798
200	3.140"	2230	55.0	2703
200	3.140"	2460	57.0	2728
200	3.140"	2520	58.5	2755
200	3.140"	2700	65.0	2744
200	3.140"	4350	59.0	2357
200	3.140"	3100	60.0	2138
225	3.280"	2015	49.0	2554
225	3.280"	2230	52.5	2573
225	3.280"	2460	54.0	2613
225	3.280"	2520	55.0	2599
225	3.280"	2700	61.5	2601
225	3.280"	4350	59.0	2410
225	3.280"	3100	60.0	2165
250	3.245"	2015	47.5	2411
250	3.245"	2230	51.0	2429
250	3.245"	2460	51.5	2432

250	3.245"	2520	52.0	2411
250	3.245"	2700	60.0	2431
250	3.245"	4350	60.0	2384
250	3.245"	3100	60.0	2136

375 H&H MAGNUM

Gun: DOUGLAS

Barrel length: 25"

Primer: REM 9-1/2M

Case: WIN

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
235	3.450"	2520	71.0	2875
235	3.450"	2700	80.0	2879
235	3.450"	4350	86.0	2835
235	3.450"	3100	86.0	2567
270	3.570"	2700	80.0	2691
270	3.570"	4350	84.0	2711
270	3.570"	3100	86.0	2519
300	3.585"	2700	75.0	2550
300	3.585"	4350	79.0	2547
300	3.585"	3100	83.0	2453
350	3.560"	2700	67.0	2259
350	3.560"	4350	75.0	2355
350	3.560"	3100	73.0	2106

38/55 WINCHESTER

Gun: DOUGLAS

Barrel length: 24"

Primer: CCI 300

Case: WIN

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
240 (L)	2.510"	2015	31.5	1943
240 (L)	2.510"	2495	38.0	2020
SRA200	2.590"	2015	36.0	2132
SRA200	2.590"	2495	40.0	2037
HDY220	2.580"	2015	32.0	1886
HDY220	2.580"	2495	38.0	2045

416 REMINGTON MAGNUM

Gun: DOUGLAS

Barrel length: 24"

Primer: REM 9-1/2M

Case: REM

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
350	3.680"	2015	75.0	2618
350	3.680"	2230	79.0	2645
350	3.680"	2460	79.0	2611
350	3.680"	2520	78.0	2563

350	3.680"	4064	83.0	2540
350	3.680"	2700	86.0	2536
350	3.680"	4350	80.0	2221
400	3.580"	2015	70.0	2391
400	3.580"	2230	73.0	2380
400	3.580"	2460	74.0	2383
400	3.580"	2520	75.0	2385
400	3.580"	4064	80.0	2419
400	3.580"	2700	85.0	2442
400	3.580"	4350	87.0	2449

40/65 WINCHESTER

Gun: C. SHARPS

Barrel length: 36"

Primer: WIN WLR

Case: WIN

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
300 (L)	2.660"	2495	43.0	1874
300 (L)	2.660"	8700	60.0	1426
350 (L)	2.660"	2495	40.0	1768
350 (L)	2.660"	8700	54.0	1255
400 (L)	2.830"	2495	37.0	1633
400 (L)	2.830"	8700	52.0	1183

45/70 GOVERNMENT

Gun: DOUGLAS

Barrel length: 24"

Primer: WIN WLR

Case: WIN

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
378(L)	2.565"	2015	49.0	1821
378(L)	2.565"	2495	55.0	1935
378(L)	2.565"	4350	60.0	1622
378(L)	2.565"	3100	60.0	1485
378(L)	2.565"	8700	60.0	1026
405(L) FN	2.550"	2015	54.0	1665
405(L) FN	2.550"	2495	54.0	1801
405(L) FN	2.550"	2700	54.0	1665
405(L) FN	2.550"	4350	56.0	1474
405(L) FN	2.550"	3100	60.0	1422
405(L) FN	2.550"	8700	60.0	1165
500(L)	2.550"	2015	42.0	1567
500(L)	2.550"	2495	49.0	1670
500(L)	2.550"	2700	47.0	1414
500(L)	2.550"	4350	58.0	1582
500(L)	2.550"	3100	60.0	1493
500(L)	2.550"	8700	60.0	1000
300	2.550"	2015	59.0	2164

300	2.550"	2495	66.0	2175
300	2.550"	2700	65.0	1939
300	2.550"	4350	70.0	1815
300	2.550"	3100	70.0	1705
350	2.550"	2015	53.0	1932
350	2.550"	2495	61.0	2057
350	2.550"	2700	61.0	1794
350	2.550"	4350	65.0	1735
350	2.550"	3100	65.0	1590
400	2.560"	2015	49.0	1761
400	2.560"	2495	55.0	1836
400	2.560"	2700	55.0	1608
400	2.560"	4350	60.0	1570
400	2.560"	3100	60.0	1452
400	2.560"	8700	60.0	992
500	2.580"	2015	40.0	1422
500	2.580"	2495	46.0	1538
500	2.580"	2700	46.0	1327
500	2.580"	4350	58.0	1602
500	2.580"	3100	60.0	1441
500	2.580"	8700	60.0	1033

416 RIGBY

Gun: DOUGLAS

Barrel length: 26"

Primer: FED 215

Case: FED

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
400	3.635"	3100	100.0	2337
400	3.635"	8700	120.0	2139

50 BROWNING

Gun: FRESHOUR

Barrel length: 44"

Primer: CCI 35

Case: IMI

Maximum Loads

Bullet	OAL	Powder	Grains	Vel.
642	5.545"	8700	228.0	2930
750	5.545"	8700	218.0	2700

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