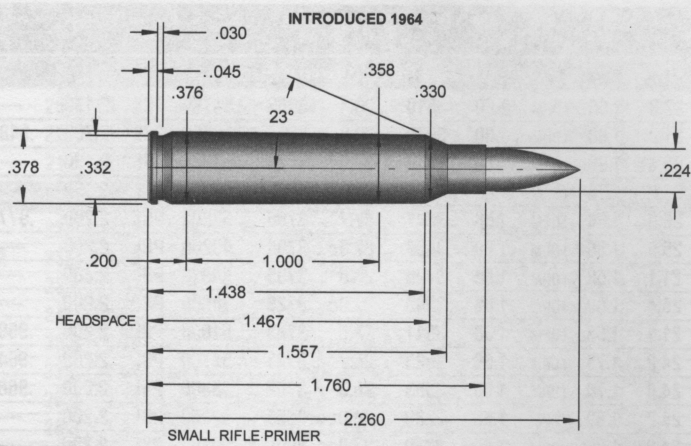




LEE SHELL HOLDER 4

Useful case capacity 1.87 cc

STARTING LOADS

Powder Type	Start Grains	Volume CC	Auto Disk	Lee Dipper	Velocity F P S	Never Exceed	Velocity F P S	Press	Units	Min O A L	1 Grain Factor	
											Velocity	Pressure
30 Grain Jacketed Bullet												
Accur 2200	24.9	1.73	LDPM	1.60	3833	27.7c	4189	54780	PSI	2.100	----	----
Accur 2230	26.1	1.71	LDPM	1.60	3687	29.0c	4029	51560	PSI	2.088	----	----
X-Terminator	26.1	1.78	LDPM	1.60	3687	29.0c	4029	51560	PSI	2.088	----	----
Accur 2015	22.9	1.67	LDPM	1.60	3450	25.4	3771	49940	PSI	2.088	----	----
34 Grain Jacketed Bullet												
Accur 2200	24.3	1.69	LDPM	1.60	3682	27.0c	4024	53730	PSI	2.125	----	----
Accur 2230	26.6	1.75	LDPM	1.60	3665	29.5c	4006	53570	PSI	2.125	----	----
X-Terminator	26.6	1.81	LDPM	1.60	3665	29.5c	4006	53570	PSI	2.125	----	----
Ram Tac	27.4	1.84	LDPM	1.60	3636	30.4c	3974	54960	PSI	2.125	----	----
Accur 2460	25.7	1.69	LDPM	1.60	3570	28.6c	3902	51510	PSI	2.125	----	----
Accur 2015	23.9	1.74	LDPM	1.60	3489	26.5c	3813	54040	PSI	2.125	----	----
35 Grain Jacketed Bullet												
X-Terminator	25.8	1.76	LDPM	1.60	3626	28.7c	3947	54709	PSI	2.260	----	----
Accur 2230	25.8	1.70	LDPM	1.60	3626	28.7c	3947	54709	PSI	2.260	----	----
Accur 2200	23.2	1.61	LDPM	1.60	3635	25.8	3936	54689	PSI	2.260	----	----
H4895	24.3	1.77	LDPM	1.60	3522	27.0c	3891	53000	PSI	2.280	----	----
IMR 8208 XBR	25.2	1.79	LDPM	1.60	3560	28.0c	3891	53400	PSI	2.280	----	----
H335	25.7	1.66	LDPM	1.60	3647	27.9	3885	53200	PSI	2.280	.9716	.9230
Ram Tac	25.8	1.73	LDPM	1.60	3529	28.7c	3862	54633	PSI	2.260	----	----
Benchmark	24.5	1.75	LDPM	1.60	3555	27.2c	3851	52900	PSI	2.280	----	----
Accur 2460	24.8	1.63	LDPM	1.60	3501	27.6	3822	50030	PSI	2.260	----	----
IMR4198	20.4	1.62	LDPM	1.60	3651	21.7	3804	52100	PSI	2.280	.9687	.9329
H4198	20.4	1.53	1.46	NA	3599	21.7	3780	52000	PSI	2.280	.9628	.8963
IMR3031	23.4	1.78	LDPM	1.60	3423	26.0c	3771	51600	PSI	2.280	----	----
H322	24.3	1.76	LDPM	1.60	3610	25.8c	3771	50600	PSI	2.280	.9717	.9083
H-Varget	25.2	1.84	LDPM	1.60	3424	28.0c	3751	49300	PSI	2.280	----	----
Accur 2520	26.5	1.81	LDPM	1.60	3449	29.5c	3746	46200	PSI	2.260	----	----
BL-C(2)	26.6	1.72	LDPM	1.60	3430	29.5c	3740	50100	PSI	2.280	----	----
IMR4320	25.5	1.83	LDPM	1.60	3313	28.0c	3620	49800	PSI	2.280	----	----
IMR4895	24.3	1.77	LDPM	1.60	3263	27.0c	3620	47700	PSI	2.280	----	----
Accur 5744	19.2	1.44	1.36	1.30	3169	21.1	3602	53694	PSI	2.130	----	----

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger
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c = Compressed charge
NA = None Available

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
36 Grain Jacketed Bullet												
ACCUR 2200	23.8	1.65	LDPM	1.60	3518	26.4	3863	54789	PSI	2.190	----	----
IMR4198	21.2	1.68	LDPM	1.60	3579	22.5	3834	52500	PSI	2.200	.9480	.8653
ACCUR 2230	25.6	1.68	LDPM	1.60	3510	28.5c	3820	53086	PSI	2.190	----	----
X-TERMINATOR	25.6	1.74	LDPM	1.60	3510	28.5c	3820	53086	PSI	2.190	----	----
H335	26.0	1.68	LDPM	1.60	3647	27.7	3790	53200	PSI	2.200	.9774	.9448
H4895	25.5	1.86	LDPM	1.60	3487	27.3c	3755	49200	PSI	2.200	----	----
LT-30	21.1	1.58	LDPM	1.60	3425	23.5	3735	54813	PSI	2.200	----	----
IMR 8208 XBR	25.4	1.80	LDPM	1.60	3548	27.0c	3728	50600	PSI	2.200	----	----
H4198	21.1	1.58	LDPM	1.60	3511	22.5	3723	51800	PSI	2.200	.9593	.7833
H322	24.2	1.75	LDPM	1.60	3523	25.7	3721	52700	PSI	2.200	.9642	.8907
BENCHMARK	24.4	1.74	LDPM	1.60	3508	26.0	3702	50800	PSI	2.200	.9666	.9154
IMR4320	25.2	1.80	LDPM	1.60	3289	28.0c	3653	52200	PSI	2.200	----	----
IMR4895	24.8	1.81	LDPM	1.60	3289	27.0c	3606	50100	PSI	2.200	----	----
IMR3031	23.3	1.78	LDPM	1.60	3398	24.8c	3600	48200	PSI	2.200	----	----
H-VARGET	24.8	1.81	LDPM	1.60	3278	27.5c	3593	47300	PSI	2.200	----	----
BL-C(2)	26.8	1.73	LDPM	1.60	3345	28.5	3500	46000	PSI	2.200	.9734	.9265
40 Grain Jacketed Bullet												
ACCUR 2230	23.9	1.57	LDPM	NA	3451	26.5	3772	54360	PSI	2.210	----	----
X-TERMINATOR	23.9	1.63	LDPM	1.60	3451	26.5	3772	54360	PSI	2.210	----	----
v-N130	22.5	1.70	LDPM	1.60	3386	25.5c	3763	NA	NA	2.075	----	----
ACCUR 2460	24.7	1.62	LDPM	1.60	3428	27.4	3746	53590	PSI	2.260	----	----
RAM TAC	24.6	1.65	LDPM	1.60	3389	27.3	3704	54170	PSI	2.216	----	----
ACCUR 2200	22.2	1.54	LDPM	NA	3384	24.7	3679	54910	PSI	2.260	----	----
H-VARGET	25.0	1.83	LDPM	1.60	3310	28.0c	3674	49923	PSI	2.280	----	----
v-N120	19.0	1.47	1.46	1.30	3159	23.0	3668	NA	NA	2.075	----	----
CFE 223	27.5	1.78	LDPM	1.60	3457	29.0c	3667	48200	PSI	2.280	----	----
BENCHMARK	25.3	1.81	LDPM	1.60	3404	27.3c	3666	53942	PSI	2.280	----	----
IMR 8208 XBR	25.0	1.78	LDPM	1.60	3433	26.7c	3659	50400	PSI	2.280	----	----
IMR4198	19.5	1.54	LDPM	NA	3269	22.2	3652	53400	PSI	2.280	.9598	.9189
LT-32	22.4	1.73	LDPM	1.60	3304	24.9c	3628	54776	PSI	2.260	----	----
ACCUR 2520	25.8	1.76	LDPM	1.60	3345	28.7c	3628	48702	PSI	2.260	----	----
v-N133	23.8	1.83	LDPM	1.60	3402	25.9c	3625	NA	NA	2.075	----	----
BL-C(2)	26.5	1.71	LDPM	1.60	3368	28.5	3612	48019	PSI	2.280	.9658	.8830
LT-30	20.8	1.56	LDPM	NA	3276	23.2	3602	54625	PSI	2.260	----	----
H4198	20.5	1.54	1.46	NA	3147	22.5	3601	52462	PSI	2.280	.9347	.7699
H322	23.5	1.70	LDPM	1.60	3376	25.5	3574	50769	PSI	2.280	.9721	.8490
H4895	25.0	1.82	LDPM	1.60	3204	27.5c	3573	47067	PSI	2.280	----	----
H335	26.0	1.68	LDPM	1.60	3299	28.0	3572	47173	PSI	2.280	.9612	.8782
ACCUR 2015	22.5	1.64	LDPM	1.60	3220	25.0	3519	53060	PSI	2.210	----	----
IMR3031	23.5	1.79	LDPM	1.60	3291	25.2c	3498	46200	PSI	2.280	----	----
RELODER 10	21.6	1.61	LDPM	1.60	3104	24.5	3481	NA	NA	2.060	----	----
IMR4320	26.0	1.86	LDPM	1.60	3267	27.7c	3456	48900	PSI	2.280	----	----
ACCUR 5744	18.5	1.39	1.36	1.30	3025	20.6	3439	54810	PSI	2.260	----	----
IMR4895	24.9	1.81	LDPM	1.60	3164	26.5c	3390	44200	PSI	2.280	----	----
RELODER 7	18.0	1.31	1.26	1.30	2685	20.5	3011	NA	NA	2.060	----	----
42 Grain FRANGIBLE												
X-TERMINATOR	25.3	1.72	LDPM	1.60	3437	28.1c	3730	54490	PSI	2.200	----	----
ACCUR 2230	25.3	1.66	LDPM	1.60	3437	28.1	3730	54490	PSI	2.200	----	----
ACCUR 2200	22.4	1.55	LDPM	NA	3395	24.9	3676	54669	PSI	2.200	----	----

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c = Compressed charge

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223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR		
											VELOCITY	PRESSURE	
42 Grain FRANGIBLE													
RAM TAC	25.6	1.72	LDPM	1.60	3331	28.4c	3648	53846	PSI	2.200	----	----	
LT-32	22.4	1.73	LDPM	1.60	3306	24.9c	3620	54840	PSI	2.200	----	----	
LT-30	21.0	1.58	LDPM	NA	3296	23.3	3604	54928	PSI	2.200	----	----	
45 Grain Jacketed Bullet													
ACCUR 2230	23.2	1.52	1.46	1.30	3296	25.8	3602	54990	PSI	2.222	----	----	
X-TERMINATOR	23.2	1.58	LDPM	NA	3296	25.8	3602	54960	PSI	2.222	----	----	
v-N130	22.2	1.67	LDPM	1.60	3251	25.0c	3583	NA	NA	2.126	----	----	
RAM TAC	24.3	1.63	LDPM	1.60	3276	27.0	3580	54690	PSI	2.222	----	----	
v-N133	23.3	1.79	LDPM	1.60	3238	25.9c	3579	NA	NA	2.126	----	----	
ACCUR 2460	23.6	1.55	LDPM	NA	3260	26.2	3563	54280	PSI	2.230	----	----	
BL-C(2)	26.5	1.71	LDPM	1.60	3266	28.5	3559	50769	PSI	2.240	.9581	.8660	
BENCHMARK	25.3	1.81	LDPM	1.60	3327	27.3c	3554	54048	PSI	2.240	----	----	
IMR 8208 XBR	24.5	1.74	LDPM	1.60	3287	26.8c	3550	52000	PSI	2.240	----	----	
CFE 223	27.5	1.78	LDPM	1.60	3358	29.0c	3536	47200	PSI	2.240	----	----	
ACCUR 2200	22.0	1.53	1.46	1.30	3219	24.4	3518	54253	PSI	2.230	----	----	
v-N120	19.3	1.50	1.46	1.30	3061	22.8	3517	NA	NA	2.126	----	----	
IMR4198	19.5	1.54	LDPM	NA	3205	22.1	3495	52000	PSI	2.240	.9674	.9427	
H-VARGET	25.0	1.83	LDPM	1.60	3071	28.0c	3477	46221	PSI	2.240	----	----	
H4198	20.0	1.50	1.46	1.30	3009	22.0	3472	51933	PSI	2.240	.9306	.7659	
H335	24.0	1.55	LDPM	NA	3280	26.2	3456	53942	PSI	2.240	.9764	.9106	
H4895	25.0	1.82	LDPM	1.60	3211	27.5c	3454	45904	PSI	2.240	----	----	
H322	23.0	1.67	LDPM	1.60	3164	25.0	3424	50135	PSI	2.240	.9615	.8715	
v-N135	25.3c	1.97	LDPM	1.90	3314	25.9c	3392	NA	NA	2.126	----	----	
ACCUR 2015	21.8	1.59	LDPM	1.60	3088	24.2	3375	54980	PSI	2.222	----	----	
IMR3031	22.7	1.73	LDPM	1.60	3065	25.2c	3374	45800	PSI	2.240	----	----	
IMR4320	25.5	1.83	LDPM	1.60	3158	27.8c	3342	46300	PSI	2.240	----	----	
RELODER 10	21.1	1.57	LDPM	NA	2936	24.0	3292	NA	NA	2.155	----	----	
RELODER 7	17.6	1.28	1.26	NA	2728	20.0	3059	NA	NA	2.155	----	----	
45 Grain FRANGIBLE													
X-TERMINATOR	24.3	1.66	LDPM	1.60	3186	27.0	3540	54177	PSI	2.224	----	----	
ACCUR 2230	24.3	1.60	LDPM	1.60	3186	27.0	3540	54177	PSI	2.224	----	----	
RAM TAC	24.7	1.66	LDPM	1.60	3177	27.4	3530	53987	PSI	2.224	----	----	
IMR 8208 XBR	23.0	1.63	LDPM	1.60	3124	26.0	3491	52100	PSI	2.220	.9637	.9064	
H335	23.0	1.48	1.46	1.30	3172	25.3	3428	50700	PSI	2.220	.9668	.9214	
H4198	19.0	1.43	1.36	1.30	3097	21.8	3414	51400	PSI	2.220	.9656	.9159	
BENCHMARK	22.5	1.61	LDPM	1.60	3130	25.0	3410	51000	PSI	2.220	.9663	.9038	
IMR3031	21.0	1.60	LDPM	1.60	2981	24.0	3400	52300	PSI	2.220	.9569	.8910	
H322	22.0	1.59	LDPM	1.60	3088	24.6	3399	50800	PSI	2.220	.9637	.9024	
IMR4198	19.0	1.50	1.46	1.30	3108	21.0	3395	52400	PSI	2.220	.9567	.8846	
45 Grain Barnes X Solid Bullet													
ACCUR 2460	24.8	1.63	LDPM	1.60	3289	27.5	3594	54650	PSI	2.220	----	----	
ACCUR 2230	24.1	1.58	LDPM	1.60	3276	26.8	3580	54560	PSI	2.208	----	----	
X-TERMINATOR	24.1	1.64	LDPM	1.60	3276	26.8	3580	54560	PSI	2.208	----	----	
ACCUR 2200	22.6	1.57	LDPM	NA	3247	25.1	3549	54550	PSI	2.220	----	----	
RAM TAC	24.5	1.64	LDPM	1.60	3210	27.2	3508	53750	PSI	2.208	----	----	
50 Grain Jacketed Bullet													
v-N133	24.1	1.86	LDPM	1.60	3248	25.9c	3533	NA	NA	2.244	----	----	
CFE 223	27.0	1.74	LDPM	1.60	3241	28.5	3505	53600	PSI	2.210	----	----	

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c = Compressed charge
NA = None Available

223 REM

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
50 Grain Jacketed Bullet												
NORMA 200	23.0	1.70	LDPM	1.60	3288	24.6	3494	NA	NA	2.244	----	----
H4895	25.0	1.82	LDPM	1.60	3200	27.5c	3468	54260	PSI	2.210	----	----
ACCUR 2520	24.3	1.66	LDPM	1.60	3142	27.0	3434	53670	PSI	2.187	----	----
v-N130	22.1	1.67	LDPM	1.60	3107	24.5	3432	NA	NA	2.244	----	----
BL-C(2)	26.0	1.68	LDPM	1.60	3187	28.0	3428	49817	PSI	2.210	.9643	.8521
IMR 8208 XBR	23.5	1.67	LDPM	1.60	3111	25.8	3407	53300	PSI	2.210	.9611	.8875
v-N120	19.3	1.50	1.46	1.30	2989	22.7	3399	NA	NA	2.244	----	----
LT-32	21.8	1.68	LDPM	1.60	3112	24.2	3399	54926	PSI	2.260	----	----
BENCHMARK	24.0	1.72	LDPM	1.60	3139	26.5c	3396	53308	PSI	2.210	----	----
H335	24.0	1.55	LDPM	NA	3166	26.0	3393	54683	PSI	2.210	.9661	.9120
RAM TAC	22.5	1.51	1.46	1.30	3103	25.0	3391	54990	PSI	2.260	----	----
RELODER 10	21.3	1.59	LDPM	1.60	3022	24.2	3389	NA	NA	2.200	----	----
H-VARGET	26.5c	1.94	LDPM	1.90	3242	27.5c	3383	47385	PSI	2.210	----	----
ACCUR 2230	22.1	1.45	1.36	1.30	3093	24.5	3380	54740	PSI	2.180	----	----
X-TERMINATOR	22.1	1.51	1.46	1.30	3093	24.5	3380	54740	PSI	2.180	----	----
NORMA 201	25.3	1.84	LDPM	1.60	3360	25.3	3360	NA	NA	2.244	----	----
IMR4198	19.8	1.57	LDPM	NA	3094	21.9	3352	52100	PSI	2.210	.9626	.9106
ACCUR 2460	22.1	1.45	1.36	1.30	3066	24.5	3351	53410	PSI	2.185	----	----
v-N135	25.5c	1.98	LDPM	1.90	3278	25.9c	3340	NA	NA	2.244	----	----
ACCUR 2200	20.7	1.44	1.36	1.30	3056	23.0	3340	53260	PSI	2.187	----	----
LT-30	20.3	1.52	1.46	1.30	3053	22.6	3332	54907	PSI	2.260	----	----
H322	22.0	1.59	LDPM	1.60	3018	24.0	3301	52144	PSI	2.210	.9559	.8604
IMR4320	24.8	1.78	LDPM	1.60	3006	27.5c	3270	48900	PSI	2.210	----	----
IMR3031	23.5	1.79	LDPM	1.60	3169	25.0c	3268	46900	PSI	2.210	----	----
IMR 4166	23.9	1.77	LDPM	1.60	3026	26.2c	3267	51600	PSI	2.210	----	----
H4198	19.5	1.46	1.46	1.30	3023	21.5	3223	48548	PSI	2.210	.9685	.8402
IMR4895	25.2	1.83	LDPM	1.60	3118	26.7c	3211	45200	PSI	2.210	----	----
ACCUR 2015	21.0	1.53	1.46	NA	2933	23.3	3206	54110	PSI	2.260	----	----
WIN 748	22.9	1.50	1.46	1.30	2854	26.0	3200	42308	PSI	2.210	----	----
ACCUR 5744	17.8	1.34	1.26	1.30	2743	19.7	3117	52983	PSI	2.235	----	----
50 Grain Solid Bullet												
LT-32	20.6	1.59	LDPM	1.60	2893	22.9	3179	54631	PSI	2.165	----	----
LT-30	19.2	1.44	1.36	1.30	2882	21.4	3153	54971	PSI	2.165	----	----
50 Grain Barnes X Solid Bullet												
ACCUR 2460	23.4	1.54	1.46	NA	3110	26.0	3399	54710	PSI	2.195	----	----
ACCUR 2230	22.7	1.49	1.46	1.30	3082	25.2	3368	54770	PSI	2.184	----	----
X-TERMINATOR	22.7	1.55	LDPM	NA	3082	25.2	3368	54770	PSI	2.184	----	----
RAM TAC	23.1	1.55	LDPM	NA	3030	25.7	3311	54750	PSI	2.184	----	----
ACCUR 2200	21.2	1.47	1.46	1.30	3013	23.6	3293	54734	PSI	2.195	----	----
ACCUR 2015	20.8	1.52	1.46	1.30	2855	23.1	3120	53830	PSI	2.184	----	----
51 Grain Jacketed Bullet												
v-N135	23.8	1.85	LDPM	1.60	3140	25.9c	3392	NA	NA	2.244	----	----
v-N133	22.4	1.72	LDPM	1.60	3094	24.8c	3389	NA	NA	2.244	----	----
v-N130	20.8	1.57	LDPM	NA	3051	23.3	3340	NA	NA	2.244	----	----
v-N120	19.0	1.47	1.46	1.30	2982	21.1	3251	NA	NA	2.244	----	----
52 Grain Jacketed Bullet												
NORMA 200	23.0	1.70	LDPM	1.60	3301	24.0	3425	NA	NA	2.244	----	----
v-N135	23.8	1.85	LDPM	1.60	2651	25.6c	3409	NA	NA	2.244	----	----

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c = Compressed charge

NA = None Available

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
52 Grain Jacketed Bullet												
v-N133	22.5	1.73	LDPM	1.60	3110	25.0c	3389	NA	NA	2.244	----	----
v-N130	21.1	1.59	LDPM	1.60	3071	23.8	3373	NA	NA	2.244	----	----
ACCUR 2230	22.1	1.45	1.36	1.30	3059	24.6	3343	53360	PSI	2.226	----	----
X-TERMINATOR	22.1	1.51	1.46	1.30	3059	24.6	3343	53360	PSI	2.226	----	----
ACCUR 2520	23.4	1.60	LDPM	1.60	3052	26.0	3335	54890	PSI	2.260	----	----
NORMA 201	25.1	1.83	LDPM	1.60	3330	25.1	3330	NA	NA	2.244	----	----
LT-32	21.4	1.65	LDPM	1.60	3039	23.8	3324	54926	PSI	2.237	----	----
ACCUR 2200	21.4	1.48	1.46	1.30	3011	23.8	3291	53429	PSI	2.236	----	----
ACCUR 2460	21.8	1.43	1.36	1.30	3003	24.2	3282	54570	PSI	2.255	----	----
RAM TAC	22.2	1.49	1.46	1.30	2983	24.7	3260	53800	PSI	2.260	----	----
LT-30	20.0	1.50	1.46	1.30	3009	22.2	3257	54381	PSI	2.237	----	----
LT-30	20.0	1.50	1.46	1.30	3009	22.2	3257	54381	PSI	2.237	----	----
ACCUR 2015	21.2	1.55	LDPM	NA	2895	23.5	3180	54750	PSI	2.260	----	----
RELODER 10	19.8	1.48	1.46	1.30	2835	22.5	3179	NA	NA	2.200	----	----
53 Grain Jacketed Bullet												
CFE 223	27.0	1.74	LDPM	1.60	3245	28.5	3415	52900	PSI	2.200	----	----
H-VARGET	24.0	1.75	LDPM	1.60	3026	27.0c	3389	50663	PSI	2.200	----	----
H4895	25.0	1.82	LDPM	1.60	3166	27.0c	3383	51404	PSI	2.200	----	----
BL-C(2)	26.0	1.68	LDPM	1.60	3090	28.0	3328	50346	PSI	2.200	.9637	.8769
IMR 8208 XBR	23.0	1.63	LDPM	1.60	3032	25.4	3310	53400	PSI	2.200	.9641	.8994
BENCHMARK	24.0	1.72	LDPM	1.60	3102	26.0	3308	52673	PSI	2.200	.9683	.8951
H335	24.0	1.55	LDPM	NA	3060	26.0	3300	55000	PSI	2.200	.9631	.9209
IMR4320	24.0	1.72	LDPM	1.60	2929	27.5c	3273	52300	PSI	2.200	----	----
IMR4198	19.0	1.50	1.46	1.30	2972	21.4	3268	48200	PSI	2.200	.9610	.9608
IMR3031	22.0	1.68	LDPM	1.60	2959	24.5c	3260	53300	PSI	2.200	.9620	.8977
IMR4895	24.5	1.78	LDPM	1.60	3012	26.4c	3238	52300	PSI	2.200	----	----
WIN 748	22.9	1.50	1.46	1.30	2854	26.0	3200	46010	PSI	2.200	----	----
H4198	19.5	1.46	1.46	1.30	2986	21.5	3188	49394	PSI	2.200	.9679	.8558
H322	21.5	1.56	LDPM	NA	2912	23.5	3183	51721	PSI	2.200	.9562	.8953
IMR4064	24.0	1.79	LDPM	1.60	2964	25.7c	3178	45600	PSI	2.200	----	----
IMR 4166	23.4	1.73	LDPM	1.60	2936	25.6c	3174	52500	PSI	2.200	----	----
ACCUR 5744	16.8	1.26	1.26	NA	2626	18.7	2985	53897	PSI	2.225	----	----
53 Grain Barnes X Solid Bullet												
ACCUR 2520	25.0	1.71	LDPM	1.60	3044	27.8c	3327	52700	PSI	2.202	----	----
ACCUR 2230	22.3	1.47	1.46	1.30	3015	24.8	3295	54700	PSI	2.202	----	----
X-TERMINATOR	22.3	1.52	1.46	1.30	3015	24.8	3295	54700	PSI	2.202	----	----
ACCUR 2460	22.9	1.50	1.46	1.30	3013	25.4	3293	54050	PSI	2.213	----	----
RAM TAC	22.9	1.54	1.46	NA	2977	25.4	3254	54550	PSI	2.202	----	----
LT-32	21.0	1.62	LDPM	1.60	2923	23.3	3214	54777	PSI	2.200	----	----
ACCUR 2200	20.7	1.44	1.36	1.30	2936	23.0	3209	54316	PSI	2.213	----	----
LT-30	19.6	1.47	1.46	1.30	2922	21.7	3186	54888	PSI	2.200	----	----
ACCUR 2015	20.4	1.49	1.46	1.30	2750	22.7	3050	54950	PSI	2.202	----	----
55 Grain Jacketed Bullet												
H-VARGET	25.5	1.86	LDPM	1.60	3174	27.5c	3384	52567	PSI	2.200	----	----
v-N140	24.7	1.81	LDPM	1.60	3051	26.8c	3343	NA	NA	2.244	----	----
CFE 223	26.0	1.68	LDPM	1.60	3133	27.8	3329	51300	PSI	2.200	.9671	.9101
H4895	25.0	1.82	LDPM	1.60	3176	26.0c	3315	51827	PSI	2.200	----	----
BL-C(2)	25.5	1.64	LDPM	1.60	3069	27.5	3313	51298	PSI	2.200	.9626	.8758
v-N135	22.1	1.72	LDPM	1.60	2949	25.3c	3294	NA	NA	2.224	----	----

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c = Compressed charge

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223 REM

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
55 Grain Jacketed Bullet												
NORMA 200	22.0	1.62	LDPM	1.60	3061	23.5	3288	NA	NA	2.205	----	----
IMR 8208 XBR	23.0	1.63	LDPM	1.60	3024	25.3	3268	53100	PSI	2.200	.9668	.9040
BENCHMARK	24.0	1.72	LDPM	1.60	3113	25.6	3264	52885	PSI	2.200	.9705	.9047
NORMA 201	23.0	1.67	LDPM	1.60	2887	24.7	3235	NA	NA	2.205	----	----
IMR3031	21.6	1.65	LDPM	1.60	2907	24.6c	3233	52500	PSI	2.200	.9653	.9216
IMR4895	23.0	1.67	LDPM	1.60	2843	26.2c	3219	53200	PSI	2.200	----	----
v-N133	21.0	1.62	LDPM	1.60	2874	24.1	3215	NA	NA	2.224	----	----
ACCUR 2230	21.2	1.39	1.36	1.30	2936	23.5	3209	54210	PSI	2.260	----	----
X-TERMINATOR	21.2	1.44	1.36	1.30	2936	23.5	3209	54210	PSI	2.260	----	----
H335	23.0	1.48	1.46	1.30	3018	25.3	3203	52144	PSI	2.200	.9744	.9210
ACCUR 2520	22.7	1.55	LDPM	NA	2931	25.2	3203	54010	PSI	2.244	----	----
IMR4064	23.0	1.71	LDPM	1.60	2867	25.7c	3201	52600	PSI	2.200	----	----
IMR 4166	24.2	1.79	LDPM	1.60	2975	26.2c	3195	53200	PSI	2.200	----	----
ACCUR 2200	19.8	1.37	1.36	1.30	2890	22.0	3175	54300	PSI	2.162	----	----
LT-32	20.8	1.60	LDPM	1.60	2924	23.1	3175	54997	PSI	2.260	----	----
RELODER 10	20.2	1.51	1.46	1.30	2817	23.0	3159	NA	NA	2.175	----	----
ACCUR 2460	20.9	1.37	1.36	1.30	2886	23.2	3154	54340	PSI	2.260	----	----
WIN 748	23.1	1.52	1.46	1.30	2809	26.3	3150	41250	PSI	2.200	----	----
H4198	19.0	1.43	1.36	1.30	2841	21.0	3150	50346	PSI	2.200	.9498	.8550
IMR4320	23.5	1.68	LDPM	1.60	2874	26.1c	3146	50700	PSI	2.200	.9660	.9242
v-N130	18.7	1.41	1.36	1.30	2812	21.9	3146	NA	NA	2.224	----	----
RAM TAC	21.6	1.45	1.36	1.30	2879	24.0	3146	54450	PSI	2.195	----	----
IMR4198	18.8	1.49	1.46	1.30	2885	20.4	3122	53600	PSI	2.200	.9515	.8534
LT-30	19.4	1.46	1.46	1.30	2860	21.5	3114	54833	PSI	2.260	----	----
ACCUR 2495	22.5	1.68	LDPM	1.60	2832	25.0c	3111	53067	PSI	2.230	----	----
H322	21.0	1.52	1.46	1.30	2841	23.0	3106	51721	PSI	2.200	.9566	.8885
v-N120	16.8	1.30	1.26	1.30	2690	20.2	3081	NA	NA	2.224	----	----
ACCUR 2015	20.3	1.48	1.46	1.30	2750	22.5	3005	53010	PSI	2.195	----	----
ACCUR 5744	16.8	1.26	1.26	NA	2612	18.7	2968	54990	PSI	2.230	----	----
55 Grain FRANGIBLE												
ACCUR 2520	24.3	1.66	LDPM	1.60	3024	27.1	3304	52159	PSI	2.260	----	----
ACCUR 2460	22.7	1.49	1.46	1.30	3019	25.2	3302	54883	PSI	2.260	----	----
X-TERMINATOR	22.5	1.53	1.46	NA	2997	25.0	3285	54987	PSI	2.260	----	----
ACCUR 2230	22.5	1.48	1.46	1.30	2997	25.0	3285	54987	PSI	2.260	----	----
RAM TAC	23.1	1.55	LDPM	NA	2929	25.7	3254	54177	PSI	2.244	----	----
H4895	22.0	1.60	LDPM	1.60	2941	24.6	3226	53500	PSI	2.220	.9649	.8993
BL-C(2)	24.0	1.55	LDPM	NA	2937	27.0	3220	51500	PSI	2.220	.9698	.9253
ACCUR 2200	19.7	1.37	1.36	1.30	2859	21.9	3157	54632	PSI	2.260	----	----
H-VARGET	23.5	1.72	LDPM	1.60	2990	25.1	3149	51700	PSI	2.220	.9685	.9195
BENCHMARK	21.0	1.50	1.46	1.30	2903	23.4	3128	51000	PSI	2.220	.9696	.9278
H322	21.0	1.52	1.46	1.30	2894	23.1	3113	51700	PSI	2.220	.9660	.9140
IMR4895	22.0	1.60	LDPM	1.60	2827	24.6	3106	50700	PSI	2.220	.9644	.9172
IMR4320	23.0	1.65	LDPM	1.60	2796	25.5	3100	51100	PSI	2.220	.9593	.9003
H335	21.4	1.38	1.36	1.30	2969	22.8	3099	51800	PSI	2.220	.9702	.9329
H4198	18.0	1.35	1.26	1.30	2852	20.4	3084	51400	PSI	2.220	.9678	.9256
IMR4064	21.0	1.56	LDPM	NA	2711	23.0	2945	44800	PSI	2.220	.9594	.9100
55 Grain Solid Bullet												
LT-32	18.6	1.43	1.36	1.30	2699	20.6	2932	54582	PSI	2.185	----	----
LT-30	17.4	1.31	1.26	1.30	2645	19.3	2879	NA	NA	2.185	----	----

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STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
55 Grain Barnes X Solid Bullet												
CFE 223	24.7	1.60	LDPM	1.60	3065	27.4	3317	54000	PSI	2.180	.9709	.9316
ACCUR 2520	24.1	1.65	LDPM	1.60	2959	26.8	3234	54070	PSI	2.183	----	----
ACCUR 2230	21.7	1.43	1.36	1.30	2905	24.1	3195	54880	PSI	2.183	----	----
X-TERMINATOR	21.8	1.49	1.46	1.30	2914	24.2	3185	54950	PSI	2.183	----	----
ACCUR 2460	22.0	1.44	1.36	1.30	2887	24.4	3155	53320	PSI	2.190	----	----
RAM TAC	22.5	1.51	1.46	1.30	2887	25.0	3155	53940	PSI	2.183	----	----
BL-C(2)	23.4	1.51	1.46	1.30	2888	26.0	3135	50300	PSI	2.180	.9690	.9321
H-VARGET	22.8	1.67	LDPM	1.60	2996	24.0	3134	53300	PSI	2.180	----	----
IMR4064	21.2	1.58	LDPM	NA	2871	23.5	3116	52500	PSI	2.180	.9651	.9252
H4895	21.0	1.53	1.46	1.30	2910	22.6	3110	51500	PSI	2.180	.9597	.9025
IMR4895	21.5	1.57	LDPM	NA	2837	23.9	3107	52300	PSI	2.180	.9630	.9217
IMR 8208 XBR	21.5	1.53	1.46	1.30	2949	23.0	3105	52900	PSI	2.180	.9666	.9320
WIN 748	22.5	1.47	1.46	1.30	2862	25.0	3104	48500	PSI	2.180	.9679	.9184
IMR 4166	22.9	1.70	LDPM	1.60	2845	25.5c	3096	53800	PSI	2.180	----	----
H322	21.0	1.52	1.46	1.30	2953	22.4	3083	51300	PSI	2.180	.9693	.9621
IMR4320	22.1	1.58	LDPM	1.60	2805	24.6	3078	52100	PSI	2.180	.9636	.9165
BENCHMARK	20.0	1.43	1.36	1.30	2885	22.2	3066	52200	PSI	2.180	.9728	.9589
H335	21.3	1.37	1.36	1.30	2920	22.7	3063	53000	PSI	2.180	.9664	.9441
IMR3031	20.0	1.52	1.46	1.30	2878	21.3	3024	52200	PSI	2.180	.9625	.9194
ACCUR 2200	19.0	1.32	1.26	1.30	2745	21.1	2977	54000	PSI	2.180	----	----
ACCUR 2015	19.8	1.45	1.36	1.30	2685	22.0	2966	54850	PSI	2.183	----	----
60 Grain Jacketed Bullet												
v-N133	22.1	1.70	LDPM	1.60	2913	24.7c	3209	NA	NA	2.244	----	----
v-N135	23.1	1.79	LDPM	1.60	2930	25.8c	3202	NA	NA	2.244	----	----
NORMA 202	23.0	1.72	LDPM	1.60	2871	24.6	3176	NA	NA	2.244	----	----
NORMA 201	23.0	1.67	LDPM	1.60	2877	25.0	3176	NA	NA	2.244	----	----
CFE 223	25.0	1.62	LDPM	1.60	3007	26.7	3176	53400	PSI	2.250	.9683	.9159
H4895	24.0	1.75	LDPM	1.60	2918	26.0c	3174	52990	PSI	2.250	----	----
v-N130	20.5	1.55	LDPM	NA	2867	23.1	3173	NA	NA	2.244	----	----
NORMA 200	21.0	1.55	LDPM	NA	2923	22.7	3173	NA	NA	2.244	----	----
v-N140	25.0	1.83	LDPM	1.60	2936	26.8c	3166	NA	NA	2.244	----	----
H-VARGET	25.0	1.83	LDPM	1.60	2924	27.0c	3159	54894	PSI	2.250	----	----
BL-C(2)	25.0	1.61	LDPM	1.60	2948	27.0	3137	54894	PSI	2.250	.9694	.9301
RAM TAC	22.0	1.48	1.46	1.30	2810	24.4	3090	54950	PSI	2.250	----	----
ACCUR 2520	22.5	1.54	1.46	NA	2826	25.0	3089	54200	PSI	2.232	----	----
BENCHMARK	23.0	1.64	LDPM	1.60	2913	24.6	3086	52779	PSI	2.250	.9643	.9046
ACCUR 2230	20.9	1.37	1.36	1.30	2815	23.2	3077	54060	PSI	2.232	----	----
X-TERMINATOR	20.9	1.42	1.36	1.30	2815	23.2	3077	54060	PSI	2.232	----	----
H335	22.5	1.45	1.36	1.30	2910	24.0	3075	53519	PSI	2.250	.9635	.9069
H322	22.0	1.59	LDPM	1.60	2873	23.5	3063	52673	PSI	2.250	.9579	.8684
IMR 8208 XBR	21.5	1.53	1.46	1.30	2857	23.6	3057	51700	PSI	2.250	.9685	.9211
IMR4064	23.0	1.71	LDPM	1.60	2837	24.7	3055	52600	PSI	2.250	.9574	.8821
IMR4895	23.7	1.73	LDPM	1.60	2884	25.2	3052	52700	PSI	2.250	.9631	.9001
ACCUR 2460	21.2	1.39	1.36	1.30	2792	23.6	3051	53890	PSI	2.205	----	----
IMR3031	21.0	1.60	LDPM	1.60	2815	22.5	3008	51700	PSI	2.250	.9566	.8775
IMR4320	23.7	1.70	LDPM	1.60	2860	25.3	3006	52100	PSI	2.250	.9692	.9176
IMR 4166	22.0	1.63	LDPM	1.60	2777	24.2	2985	53100	PSI	2.250	.9676	.9350
ACCUR 2200	19.3	1.34	1.26	1.30	2713	21.4	2965	54513	PSI	2.220	----	----
H4198	18.0	1.35	1.26	1.30	2747	20.0	2953	50346	PSI	2.250	.9648	.9449

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c = Compressed charge
NA = None Available

223 REM

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
60 Grain Jacketed Bullet												
IMR4198	18.3	1.45	1.36	1.30	2795	19.5	2945	52000	PSI	2.250	.9572	.8453
ACCUR 2015	19.4	1.42	1.36	1.30	2628	21.5	2872	54050	PSI	2.205	----	----
62 Grain Jacketed Bullet												
ACCUR 2520	23.9	1.63	LDPM	1.60	2855	26.5	3127	54367	PSI	2.260	----	----
CFE 223	23.8	1.54	1.46	NA	2884	25.9	3110	53700	PSI	2.260	.9648	.9105
v-N140	25.0	1.83	LDPM	1.60	2956	26.2c	3094	NA	NA	2.260	----	----
v-N135	22.1	1.72	LDPM	1.60	2795	24.7c	3091	NA	NA	2.260	----	----
RAM TAC	22.5	1.51	1.46	1.30	2800	25.0	3078	54947	PSI	2.260	----	----
ACCUR 2230	21.4	1.41	1.36	1.30	2785	23.8	3050	54137	PSI	2.260	----	----
X-TERMINATOR	21.4	1.46	1.46	1.30	2778	23.8	3050	54137	PSI	2.260	----	----
ACCUR 2460	22.1	1.45	1.36	1.30	2741	24.6	3046	54257	PSI	2.260	----	----
ACCUR 2200	19.5	1.35	1.26	1.30	2750	21.7	3011	54950	PSI	2.260	----	----
H4895	21.0	1.53	1.46	1.30	2740	23.0	3004	53000	PSI	2.260	.9552	.8934
IMR 8208 XBR	21.4	1.52	1.46	1.30	2787	23.2	2999	53000	PSI	2.260	.9598	.8949
H-VARGET	22.1	1.62	LDPM	1.60	2773	24.1	2974	52600	PSI	2.260	.9656	.9219
WIN 748	22.3	1.46	1.46	1.30	2779	24.0	2967	52400	PSI	2.260	.9622	.9096
IMR4895	22.4	1.63	LDPM	1.60	2782	24.1	2956	53400	PSI	2.260	.9647	.9265
BL-C(2)	22.5	1.45	1.36	1.30	2772	24.2	2949	52500	PSI	2.260	.9641	.9145
BENCHMARK	20.8	1.49	1.46	1.30	2755	22.7	2948	52800	PSI	2.260	.9646	.9236
IMR3031	20.3	1.55	LDPM	NA	2700	22.0	2940	53100	PSI	2.260	.9509	.8893
IMR4064	21.9	1.63	LDPM	1.60	2671	23.6	2928	53200	PSI	2.260	.9471	.8726
IMR4320	22.7	1.63	LDPM	1.60	2729	24.4	2920	52700	PSI	2.260	.9608	.9137
ACCUR 2015	20.4	1.49	1.46	1.30	2660	22.7	2916	54517	PSI	2.260	----	----
H322	19.5	1.41	1.36	1.30	2717	21.2	2904	52300	PSI	2.260	.9617	.9201
IMR 4166	21.4	1.59	LDPM	1.60	2626	23.8	2890	53000	PSI	2.260	.9607	.9254
H335	19.3	1.24	1.18	NA	2678	21.4	2887	53600	PSI	2.260	.9650	.9441
RELODER15	22.0	1.55	LDPM	NA	2526	25.0	2832	NA	NA	2.255	----	----
62 Grain Barnes X Solid Bullet												
CFE 223	25.3	1.63	LDPM	1.60	3059	27.0	3200	53200	PSI	2.250	.9738	.9401
ACCUR 2520	24.1	1.65	LDPM	1.60	2864	26.8	3140	52580	PSI	2.255	----	----
ACCUR 2460	22.7	1.49	1.46	1.30	2861	25.2	3132	54622	PSI	2.255	----	----
ACCUR 2230	22.1	1.45	1.36	1.30	2833	24.5	3100	54001	PSI	2.255	----	----
X-TERMINATOR	22.1	1.51	1.46	1.30	2833	24.5	3100	54001	PSI	2.255	----	----
RAM TAC	22.5	1.51	1.46	1.30	2804	25.0	3066	54333	PSI	2.255	----	----
ACCUR 2200	19.5	1.35	1.26	1.30	2741	21.6	3010	54882	PSI	2.255	----	----
LT-32	19.1	1.47	1.46	1.30	2716	21.2	2944	54982	PSI	2.260	----	----
ACCUR 2015	20.5	1.50	1.46	1.30	2669	22.8	2935	54882	PSI	2.255	----	----
LT-30	17.8	1.34	1.26	1.30	2659	19.8	2895	54690	PSI	2.260	----	----
63 Grain Jacketed Bullet												
H-VARGET	24.5	1.79	LDPM	1.60	3000	26.4c	3199	53625	PSI	2.200	----	----
CFE 223	25.0	1.62	LDPM	1.60	2957	26.4	3113	53500	PSI	2.200	----	----
H4895	23.5	1.71	LDPM	1.60	2831	25.5	3078	52885	PSI	2.200	.9588	.9306
BENCHMARK	22.0	1.57	LDPM	NA	2845	24.2	3066	53413	PSI	2.200	.9666	.9177
BL-C(2)	24.0	1.55	LDPM	NA	2847	26.0	3054	48971	PSI	2.200	.9658	.8891
IMR4895	22.9	1.67	LDPM	1.60	2758	25.3	3054	53500	PSI	2.200	.9586	.9103
H335	22.5	1.45	1.36	1.30	2820	25.0	3051	52885	PSI	2.200	.9687	.9237
IMR4064	22.5	1.68	LDPM	1.60	2765	24.8	3028	52600	PSI	2.200	.9610	.9290
IMR3031	21.0	1.60	LDPM	1.60	2737	23.3	3018	53000	PSI	2.200	.9583	.9122

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c = Compressed charge

NA = None Available

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
63 Grain Jacketed Bullet												
IMR 8208 XBR	21.0	1.49	1.46	1.30	2783	23.1	2995	52400	PSI	2.200	.9656	.9102
IMR4320	23.0	1.65	LDPM	1.60	2733	25.5	2975	52900	PSI	2.200	.9664	.9162
WIN 748	22.0	1.44	1.36	1.30	2649	25.0	2970	50240	PSI	2.200	----	----
IMR4198	18.5	1.47	1.46	1.30	2756	20.0	2946	53500	PSI	2.200	.9569	.9315
IMR 4166	21.7	1.61	LDPM	1.60	2693	23.7	2911	52600	PSI	2.200	.9615	.9125
H322	20.0	1.45	1.36	1.30	2672	22.0	2862	51192	PSI	2.200	.9662	.8872
64 Grain Jacketed Bullet												
LT-32	19.5	1.50	1.46	1.30	2672	21.6	2896	54917	PSI	2.260	----	----
LT-30	18.0	1.35	1.26	1.30	2681	19.4	2809	54936	PSI	2.260	----	----
65 Grain Jacketed Bullet												
ACCUR 2460	21.7	1.42	1.36	1.30	2773	24.2	3020	54833	PSI	2.210	----	----
ACCUR 2520	22.7	1.55	LDPM	NA	2777	25.2	3011	52777	PSI	2.210	----	----
ACCUR 2495	20.5	1.53	1.46	NA	2721	22.8	3005	54364	PSI	2.210	----	----
RAM TAC	21.9	1.47	1.46	1.30	2743	24.3	2986	54122	PSI	2.210	----	----
ACCUR 2230	21.0	1.38	1.36	1.30	2738	23.4	2982	NA	NA	2.210	----	----
X-TERMINATOR	21.0	1.43	1.36	1.30	2738	23.4	2982	NA	NA	2.210	----	----
ACCUR 2200	18.7	1.30	1.26	1.30	2675	20.7	2893	54632	PSI	2.210	----	----
68 Grain Jacketed Bullet												
ACCUR 2520	23.2	1.58	LDPM	1.60	2762	25.8	3031	54662	PSI	2.250	----	----
ACCUR 2460	21.6	1.42	1.36	1.30	2726	24.0	2990	54334	PSI	2.250	----	----
ACCUR 2495	20.9	1.56	LDPM	NA	2660	23.2	2985	54725	PSI	2.250	----	----
ACCUR 2230	21.3	1.40	1.36	1.30	2721	23.7	2977	54650	PSI	2.250	----	----
X-TERMINATOR	21.3	1.45	1.36	1.30	2721	23.7	2977	54650	PSI	2.250	----	----
RAM TAC	22.0	1.48	1.46	1.30	2699	24.4	2964	54191	PSI	2.250	----	----
ACCUR 2200	19.0	1.32	1.26	1.30	2605	21.1	2888	54911	PSI	2.250	----	----
LT-32	19.2	1.48	1.46	1.30	2617	21.3	2861	54662	PSI	2.250	----	----
LT-30	17.8	1.34	1.26	1.30	2585	19.8	2815	54969	PSI	2.250	----	----
ACCUR 2015	19.5	1.42	1.36	1.30	2506	21.7	2777	54239	PSI	2.250	----	----
69 Grain Jacketed Bullet												
H4895	24.0	1.75	LDPM	1.60	2870	26.0c	3069	52567	PSI	2.235	----	----
BL-C(2)	24.5	1.58	LDPM	NA	2833	26.5	3029	52990	PSI	2.235	.9671	.9001
CFE 223	23.5	1.52	1.46	1.30	2788	25.8	3029	54600	PSI	2.235	.9647	.9086
H-VARGET	24.0	1.75	LDPM	1.60	2784	26.0c	3010	53096	PSI	2.235	----	----
NORMA 201	23.0	1.67	LDPM	1.60	2930	24.0	2992	NA	NA	2.244	----	----
NORMA 203B	24.0	1.73	LDPM	1.60	2805	25.7	2986	NA	NA	2.244	----	----
BENCHMARK	21.5	1.54	1.46	NA	2770	23.5	2970	52567	PSI	2.235	.9655	.8938
H335	22.0	1.42	1.36	1.30	2801	24.0	2960	52356	PSI	2.235	.9727	.9255
IMR 8208 XBR	21.0	1.49	1.46	1.30	2696	23.8	2959	52900	PSI	2.235	.9675	.9225
RELODER15	22.4	1.58	LDPM	1.60	2635	25.5	2956	NA	NA	2.260	----	----
IMR4895	23.3	1.70	LDPM	1.60	2783	24.8	2953	53600	PSI	2.235	.9611	.8847
ACCUR 2495	20.3	1.52	1.46	1.30	2664	22.5	2939	54387	PSI	2.245	----	----
v-N540	23.1	1.62	LDPM	1.60	2648	25.5	2936	NA	NA	2.260	----	----
H322	21.0	1.52	1.46	1.30	2746	23.0	2932	52250	PSI	2.235	.9681	.9055
ACCUR 2520	22.0	1.50	1.46	1.30	2680	24.4	2931	54640	PSI	2.260	----	----
RAM TAC	21.9	1.47	1.46	1.30	2671	24.3	2921	54687	PSI	2.260	----	----
ACCUR 2460	21.1	1.38	1.36	1.30	2671	23.4	2907	54250	PSI	2.245	----	----
IMR3031	21.0	1.60	LDPM	1.60	2707	22.5	2906	52800	PSI	2.235	.9534	.8707
ACCUR 2230	20.7	1.36	1.36	1.30	2666	23.1	2895	54430	PSI	2.245	----	----

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c = Compressed charge
NA = None Available

223 REM

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
69 Grain Jacketed Bullet												
X-TERMINATOR	20.7	1.41	1.36	1.30	2666	23.1	2895	54430	PSI	2.245	----	----
v-N140	22.8	1.67	LDPM	1.60	2700	24.7	2884	NA	NA	2.260	----	----
IMR 4166	21.5	1.59	LDPM	1.60	2603	24.0	2874	53900	PSI	2.235	.9612	.9136
IMR4320	23.0	1.65	LDPM	1.60	2673	24.8	2873	53100	PSI	2.235	.9606	.8951
IMR4064	22.5	1.68	LDPM	1.60	2690	24.0	2872	50900	PSI	2.235	.9576	.8825
WIN 748	21.6	1.41	1.36	1.30	2559	24.5	2870	54471	PSI	2.235	----	----
v-N135	21.1	1.64	LDPM	1.60	2612	23.0	2828	NA	NA	2.260	----	----
ACCUR 2200	18.5	1.28	1.26	NA	2613	20.6	2822	54960	PSI	2.245	----	----
IMR4198	18.3	1.45	1.36	1.30	2706	19.5	2818	52300	PSI	2.235	.9665	.9034
v-N133	20.2	1.56	LDPM	NA	2589	21.9	2785	NA	NA	2.260	----	----
ACCUR 2015	19.7	1.44	1.36	1.30	2524	21.8	2762	54930	PSI	2.245	----	----
70 Grain Jacketed Bullet												
H-VARGET	23.5	1.72	LDPM	1.60	2827	26.0c	3024	51192	PSI	2.140	----	----
H4895	23.0	1.67	LDPM	1.60	2782	25.0	2997	53413	PSI	2.140	.9635	.8944
H322	19.0	1.38	1.36	1.30	2515	23.0	2962	54154	PSI	2.140	.9598	.9251
BL-C(2)	24.5	1.58	LDPM	NA	2774	26.5	2954	53731	PSI	2.140	.9691	.9060
IMR4895	20.2	1.47	1.46	1.30	2562	24.5	2917	52300	PSI	2.140	.9703	.9691
CFE 223	23.0	1.49	1.46	1.30	2719	24.7	2900	53800	PSI	2.140	.9626	.9073
BENCHMARK	20.5	1.47	1.46	1.30	2665	22.8	2869	53942	PSI	2.140	.9682	.9489
H335	21.0	1.35	1.26	1.30	2520	23.5	2867	50663	PSI	2.140	.9495	.8770
IMR4064	19.5	1.45	1.36	1.30	2485	23.5	2831	53300	PSI	2.140	.9678	.9422
IMR4320	20.3	1.45	1.36	1.30	2490	24.3	2799	52900	PSI	2.140	.9711	.9218
IMR 8208 XBR	20.0	1.42	1.36	1.30	2621	21.8	2797	52800	PSI	2.140	.9646	.9048
IMR 4166	20.9	1.55	LDPM	NA	2503	23.3	2767	52900	PSI	2.140	.9589	.9146
IMR3031	19.0	1.45	1.36	1.30	2582	21.2	2729	50900	PSI	2.140	.9748	.9663
70 Grain Barnes X Solid Bullet												
ACCUR 2520	22.4	1.53	1.46	1.30	2675	24.9	2931	54759	PSI	2.260	----	----
ACCUR 2230	21.0	1.38	1.36	1.30	2670	23.3	2904	54636	PSI	2.260	----	----
X-TERMINATOR	21.0	1.43	1.36	1.30	2670	23.3	2904	54636	PSI	2.260	----	----
ACCUR 2460	21.1	1.38	1.36	1.30	2664	23.4	2900	54662	PSI	2.260	----	----
RAM TAC	21.6	1.45	1.36	1.30	2658	24.0	2884	54544	PSI	2.260	----	----
ACCUR 2200	18.0	1.25	1.18	NA	2566	20.0	2778	54960	PSI	2.260	----	----
ACCUR 2015	19.0	1.39	1.36	1.30	2441	21.1	2690	53972	PSI	2.260	----	----
75 Grain Jacketed Bullet												
H-VARGET	22.5	1.64	LDPM	1.60	2693	25.0	2907	51192	PSI	2.250	.9697	.9321
H4895	22.5	1.64	LDPM	1.60	2696	24.5	2905	52885	PSI	2.250	.9631	.8933
CFE 223	23.0	1.49	1.46	1.30	2680	25.0	2876	54400	PSI	2.250	.9654	.9115
ACCUR 2520	22.2	1.52	1.46	1.30	2610	24.7	2863	54602	PSI	2.260	----	----
BL-C(2)	23.0	1.48	1.46	1.30	2646	26.0	2858	52356	PSI	2.250	.9747	.9299
ACCUR 2495	20.1	1.50	1.46	1.30	2572	22.4	2855	54984	PSI	2.276	----	----
v-N540	23.1	1.62	LDPM	1.60	2536	25.8	2831	NA	NA	2.260	----	----
BENCHMARK	21.5	1.54	1.46	NA	2610	23.5	2829	52250	PSI	2.250	.9606	.9210
IMR4064	21.0	1.56	LDPM	NA	2531	24.0	2827	53400	PSI	2.250	.9636	.8889
RAM TAC	21.7	1.46	1.46	1.30	2582	24.1	2820	54337	PSI	2.260	----	----
H335	21.0	1.35	1.26	1.30	2624	23.0	2814	52885	PSI	2.250	.9658	.9089
ACCUR 2460	21.0	1.38	1.36	1.30	2574	23.3	2813	54174	PSI	2.260	----	----
IMR 8208 XBR	20.0	1.42	1.36	1.30	2538	22.7	2804	53900	PSI	2.250	.9636	.9020
ACCUR 2230	20.4	1.34	1.26	1.30	2563	22.7	2794	54279	PSI	2.260	----	----

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STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR	
											VELOCITY	PRESSURE
75 Grain Jacketed Bullet												
X-TERMINATOR	20.4	1.39	1.36	1.30	2563	22.7	2794	54279	PSI	2.260	----	----
IMR4895	21.2	1.54	LDPM	NA	2506	23.8	2786	51800	PSI	2.250	.9602	.9157
H322	20.0	1.45	1.36	1.30	2594	22.0	2785	50875	PSI	2.250	.9653	.9199
IMR 4007 SSC	23.0	1.67	LDPM	1.60	2463	26.0c	2780	52300	PSI	2.250	.9605	.9099
v-N140	22.1	1.62	LDPM	1.60	2474	25.0	2766	NA	NA	2.260	----	----
IMR4320	22.5	1.61	LDPM	1.60	2554	24.2	2766	53200	PSI	2.250	.9538	.8418
IMR3031	20.0	1.52	1.46	1.30	2543	21.8	2740	53500	PSI	2.250	.9592	.8508
IMR 4166	20.8	1.54	LDPM	NA	2530	23.0	2733	53000	PSI	2.250	.9653	.9293
v-N135	20.7	1.61	LDPM	1.60	2467	23.3	2723	NA	NA	2.260	----	----
ACCUR 2200	18.5	1.28	1.26	NA	2493	20.6	2720	54404	PSI	2.260	----	----
ACCUR 2015	19.1	1.39	1.36	1.30	2425	21.2	2652	54918	PSI	2.260	----	----
77 Grain Jacketed Bullet												
CFE 223	22.5	1.45	1.36	1.30	2627	24.3	2811	53500	PSI	2.260	.9629	.9128
BL-C(2)	23.0	1.48	1.46	1.30	2640	24.9	2804	53625	PSI	2.260	.9687	.9113
IMR 8208 XBR	20.5	1.46	1.46	1.30	2535	23.2	2792	55000	PSI	2.260	.9648	.9034
ACCUR 2520	21.7	1.48	1.46	1.30	2553	24.1	2785	54800	PSI	2.260	----	----
RELODER15	21.2	1.50	1.46	1.30	2482	24.1	2783	NA	NA	2.260	----	----
BENCHMARK	20.5	1.47	1.46	1.30	2523	22.8	2763	52885	PSI	2.260	.9611	.8814
RAM TAC	21.1	1.42	1.36	1.30	2483	23.4	2759	54500	PSI	2.260	----	----
ACCUR 2460	20.4	1.34	1.26	1.30	2532	22.6	2743	54100	PSI	2.260	----	----
ACCUR 2495	19.6	1.47	1.46	1.30	2487	21.8	2741	54364	PSI	2.260	----	----
H335	21.0	1.35	1.26	1.30	2582	22.6	2738	54683	PSI	2.260	.9640	.9093
H-VARGET	21.0	1.54	1.46	NA	2528	23.7	2737	53625	PSI	2.260	.9711	.9384
ACCUR 2230	20.0	1.31	1.26	1.30	2531	22.2	2731	54300	PSI	2.260	----	----
H4895	20.0	1.46	1.46	1.30	2474	22.6	2727	53096	PSI	2.260	.9633	.9190
H322	20.0	1.45	1.36	1.30	2578	21.8	2721	53837	PSI	2.260	.9703	.9327
IMR4895	20.0	1.46	1.46	1.30	2379	23.0	2708	53100	PSI	2.260	.9575	.9233
IMR4064	20.0	1.49	1.46	1.30	2397	22.7	2698	53000	PSI	2.260	.9569	.9191
IMR3031	18.5	1.41	1.36	1.30	2365	21.3	2692	53700	PSI	2.260	.9549	.9175
IMR 4007 SSC	22.0	1.59	LDPM	1.60	2392	25.0	2672	50500	PSI	2.260	.9637	.9252
v-N540	21.8	1.53	1.46	1.30	2362	24.5	2671	NA	NA	2.260	----	----
IMR 4166	19.9	1.47	1.46	1.30	2452	22.0	2663	53600	PSI	2.260	.9615	.9220
IMR4320	20.5	1.47	1.46	1.30	2347	23.1	2654	50300	PSI	2.260	.9539	.9330
v-N135	18.8	1.46	1.46	1.30	2300	21.5	2635	NA	NA	2.260	----	----
v-N140	20.8	1.52	1.46	1.30	2310	24.2	2628	NA	NA	2.260	----	----
LT-32	17.9	1.38	1.36	1.30	2417	19.9	2625	54926	PSI	2.260	----	----
ACCUR 2200	17.6	1.22	1.18	NA	2395	19.6	2618	54622	PSI	2.260	----	----
ACCUR 2015	18.5	1.35	1.26	1.30	2333	20.5	2553	54702	PSI	2.260	----	----
LT-30	16.5	1.24	1.18	NA	2342	18.3	2539	54836	PSI	2.260	----	----
80 Grain Jacketed Bullet												
H-VARGET	22.0	1.61	LDPM	1.60	2547	25.0	2869	54471	PSI	2.550	.9608	.9215
H4895	21.5	1.57	LDPM	NA	2578	24.0	2825	52885	PSI	2.550	.9641	.9155
ACCUR 2520	22.4	1.53	1.46	1.30	2536	24.9	2792	54926	PSI	2.260	----	----
CFE 223	23.0	1.49	1.46	1.30	2638	24.4	2785	53600	PSI	2.550	.9617	.9062
BL-C(2)	23.0	1.48	1.46	1.30	2576	25.5	2768	52250	PSI	2.550	.9715	.9163
RAM TAC	21.9	1.47	1.46	1.30	2500	24.3	2749	54308	PSI	2.260	----	----
H322	20.0	1.45	1.36	1.30	2546	22.0	2744	51827	PSI	2.550	.9629	.9114
H335	20.0	1.29	1.26	1.30	2453	22.5	2744	52885	PSI	2.550	.9560	.9119
ACCUR 2230	20.8	1.37	1.36	1.30	2528	23.1	2732	54440	PSI	2.260	----	----

223 REM

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger
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c = Compressed charge
NA = None Available

223 REMINGTON

STARTING LOADS

POWDER TYPE	START GRAINS	VOLUME CC	AUTO DISK	LEE DIPPER	VELOCITY F P S	NEVER EXCEED	VELOCITY F P S	PRESS	UNITS	MIN O A L	1 GRAIN FACTOR		
											VELOCITY	PRESSURE	
80 Grain Jacketed Bullet													
X-TERMINATOR	20.8	1.42	1.36	1.30	2528	23.1	2732	54440	PSI	2.260	----	----	
ACCUR 2460	21.0	1.38	1.36	1.30	2509	23.3	2729	54108	PSI	2.260	----	----	
ACCUR 2495	19.3	1.44	1.36	1.30	2467	21.5	2726	54385	PSI	2.398	----	----	
IMR4895	20.0	1.46	1.46	1.30	2346	23.0	2708	53900	PSI	2.550	.9532	.9151	
IMR 4166	20.3	1.50	1.46	1.30	2446	22.6	2704	54500	PSI	2.550	.9574	.9057	
BENCHMARK	20.5	1.47	1.46	1.30	2525	22.5	2700	52462	PSI	2.550	.9671	.9408	
IMR4064	20.0	1.49	1.46	1.30	2415	22.7	2673	51900	PSI	2.550	.9632	.9038	
v-N540	21.4	1.50	1.46	1.30	2395	23.7	2652	NA	NA	2.551	----	----	
IMR4320	21.5	1.54	1.46	NA	2484	23.1	2647	51700	PSI	2.550	.9610	.8860	
v-N140	20.7	1.52	1.46	1.30	2395	23.0	2646	NA	NA	2.551	----	----	
ACCUR 2200	18.8	1.30	1.26	1.30	2414	20.9	2641	54454	PSI	2.260	----	----	
IMR3031	18.5	1.41	1.36	1.30	2336	21.0	2632	51500	PSI	2.550	.9533	.9269	
IMR 8208 XBR	19.0	1.35	1.26	1.30	2456	21.0	2628	52900	PSI	2.550	.9668	.9161	
v-N135	18.8	1.46	1.46	1.30	2333	21.6	2587	NA	NA	2.551	----	----	
ACCUR 2015	19.5	1.42	1.36	1.30	2349	21.7	2582	54655	PSI	2.260	----	----	
IMR 4007 SSC	22.0	1.59	LDPM	1.60	2266	25.0	2558	44900	PSI	2.550	.9604	.9123	
82 Grain Jacketed Bullet													
CFE 223	21.7	1.40	1.36	1.30	2518	23.5	2724	53300	PSI	2.375	.9570	.8990	
H414	23.2	1.53	1.46	NA	2478	25.0	2667	53700	PSI	2.375	.9599	.9031	
WIN 760	23.2	1.55	LDPM	NA	2478	25.0	2667	53700	PSI	2.375	.9599	.9031	
IMR 4166	20.3	1.50	1.46	1.30	2461	22.5	2648	53400	PSI	2.375	.9674	.9363	
BL-C(2)	21.1	1.36	1.36	1.30	2429	22.9	2617	52200	PSI	2.375	.9594	.9014	
H-VARGET	20.0	1.46	1.46	1.30	2417	21.5	2590	52800	PSI	2.375	.9545	.8856	
IMR4895	20.0	1.46	1.46	1.30	2380	21.7	2590	52700	PSI	2.375	.9511	.8884	
H4895	18.9	1.38	1.36	1.30	2448	20.4	2585	52700	PSI	2.375	.9643	.9200	
IMR4320	20.5	1.47	1.46	1.30	2398	22.2	2582	53300	PSI	2.375	.9576	.9052	
IMR 8208 XBR	18.4	1.31	1.26	1.30	2392	19.9	2554	52100	PSI	2.375	.9568	.8994	
90 Grain Jacketed Bullet													
ACCUR 2520	21.2	1.45	1.36	1.30	2374	23.6	2586	54416	PSI	2.260	----	----	
CFE 223	21.0	1.36	1.36	1.30	2391	22.8	2554	53500	PSI	2.380	.9640	.9184	
RAM TAC	20.5	1.38	1.36	1.30	2313	22.8	2546	54700	PSI	2.260	----	----	
ACCUR 2495	18.6	1.39	1.36	1.30	2315	20.6	2545	54352	PSI	2.422	----	----	
ACCUR 2230	19.6	1.29	1.26	1.30	2393	21.8	2542	54675	PSI	2.260	----	----	
X-TERMINATOR	19.6	1.34	1.26	1.30	2393	21.8	2542	54675	PSI	2.260	----	----	
ACCUR 2460	19.7	1.29	1.26	1.30	2363	21.9	2537	54116	PSI	2.260	----	----	
IMR4895	21.0	1.53	1.46	1.30	2356	22.5	2527	53000	PSI	2.380	.9545	.9125	
IMR 4166	19.3	1.43	1.36	1.30	2272	21.4	2510	53800	PSI	2.380	.9533	.8947	
BL-C(2)	21.0	1.35	1.26	1.30	2291	22.5	2491	52300	PSI	2.380	.9454	.8557	
v-N540	20.7	1.45	1.36	1.30	2238	23.0	2490	NA	NA	2.457	----	----	
H414	22.5	1.49	1.46	1.30	2332	24.0	2482	52100	PSI	2.380	.9590	.8621	
WIN 760	22.5	1.50	1.46	1.30	2332	24.0	2482	52100	PSI	2.380	.9590	.8621	
H4895	20.0	1.46	1.46	1.30	2352	21.5	2481	53500	PSI	2.380	.9648	.9238	
IMR4320	21.0	1.50	1.46	1.30	2338	22.5	2476	53800	PSI	2.380	.9624	.9242	
H-VARGET	21.0	1.54	1.46	NA	2332	22.3	2447	52100	PSI	2.380	.9637	.9193	
ACCUR 2200	18.1	1.26	1.26	NA	2235	20.1	2446	54719	PSI	2.260	----	----	
v-N150	19.4	1.45	1.36	1.30	2136	22.5	2431	NA	NA	2.457	----	----	
IMR 8208 XBR	18.0	1.28	1.26	NA	2270	19.6	2419	52800	PSI	2.380	.9612	.9125	
v-N140	19.3	1.41	1.36	1.30	2119	21.8	2411	NA	NA	2.457	----	----	
ACCUR 2015	19.0	1.39	1.36	1.30	2198	21.1	2400	54520	PSI	2.260	----	----	

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