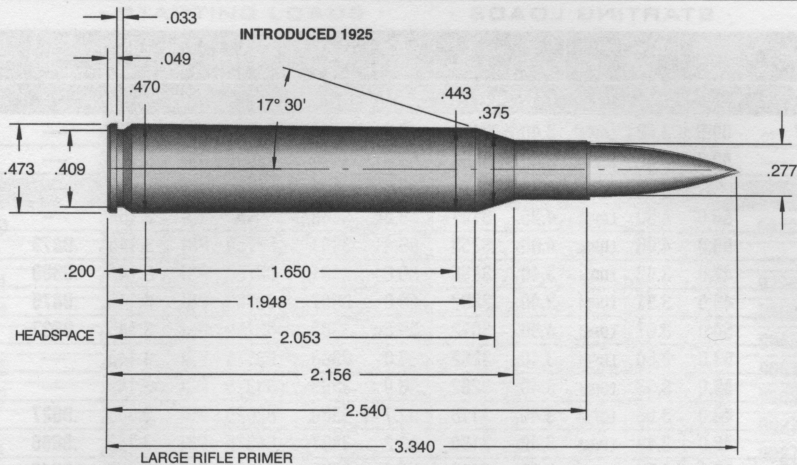


270 WINCHESTER



LEE SHELL HOLDER 2

Useful case capacity 4.34 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
85 Grain Barnes X Solid Bullet												
RAM BIG GAME	55.4	3.92	LDPM	3.70	3488	61.5c	3802	64726	PSI	3.100	----	----
ACCUR 2700	56.4	3.86	LDPM	3.70	3491	62.6	3777	64595	PSI	3.100	----	----
R HUNTER	58.8	3.92	LDPM	3.70	3482	65.4c	3759	59203	PSI	3.100	----	----
90 Grain Jacketed Bullet												
R HUNTER	56.4	3.76	LDPM	3.70	3326	62.7	3696	63780	PSI	3.130	----	----
RAM BIG GAME	52.5	3.72	LDPM	3.70	3311	58.3	3632	64665	PSI	3.175	----	----
ACCUR 2700	53.3	3.65	LDPM	3.40	3311	59.3	3621	64478	PSI	3.175	----	----
H4350	58.0	4.21	LDPM	4.00	3401	62.0c	3603	62250	PSI	3.200	----	----
H-VARGET	51.0	3.73	LDPM	3.70	3409	55.0	3596	64250	PSI	3.200	.9868	.9726
H4895	50.0	3.64	LDPM	3.40	3482	53.0	3595	63000	PSI	3.200	.9895	.9845
H414	55.0	3.64	LDPM	3.40	3361	59.0	3585	63375	PSI	3.200	.9841	.9552
WIN 760	55.0	3.66	LDPM	3.70	3361	59.0	3585	63375	PSI	3.200	.9841	.9552
CFE 223	52.6	3.40	LDPM	3.40	3408	56.0	3579	62200	PSI	3.200	.9855	.9603
ACCUR 4350	56.3	4.17	LDPM	4.00	3192	62.5c	3566	58256	PSI	3.175	----	----
IMR4064	49.6	3.70	LDPM	3.70	3295	54.0	3538	63125	PSI	3.200	.9839	.9712
IMR 4166	46.9	3.47	LDPM	3.40	3300	51.0	3520	63100	PSI	3.300	.9844	.9623
IMR4350	56.0	4.12	LDPM	4.00	3251	60.3c	3516	63500	PSI	3.200	----	----
RELODER15	48.4	3.42	LDPM	3.40	3131	55.0	3511	NA	NA	3.170	----	----
IMR 4007 SSC	53.0	3.84	LDPM	3.70	3293	57.5	3508	63300	PSI	3.200	.9861	.9677
IMR4895	49.0	3.57	LDPM	3.40	3268	53.3	3507	62875	PSI	3.200	.9837	.9678
IMR3031	46.0	3.51	LDPM	3.40	3299	50.2	3487	63250	PSI	3.200	.9870	.9725
IMR 8208 XBR	45.6	3.24	LDPM	3.10	3380	48.0	3476	61900	PSI	3.200	----	----
BL-C(2)	49.0	3.16	LDPM	3.10	3328	52.0	3475	62625	PSI	3.200	.9856	.9677
H380	53.0	3.66	LDPM	3.70	3344	56.3	3462	63625	PSI	3.200	.9895	.9672
H335	46.0	2.97	LDPM	2.80	3313	49.0	3459	63625	PSI	3.200	.9858	.9675
IMR4320	48.5	3.47	LDPM	3.40	3220	52.7	3425	64375	PSI	3.200	.9855	.9775
RELODER19	56.3	3.98	LDPM	4.00	2979	64.0c	3341	NA	NA	3.170	----	----
95 Grain Barnes X Solid Bullet												
R HUNTER	58.8	3.92	LDPM	3.70	3422	65.3c	3690	62162	PSI	3.100	----	----
ACCUR 2700	55.3	3.79	LDPM	3.70	3338	61.5	3643	64287	PSI	3.100	----	----
RAM BIG GAME	52.7	3.73	LDPM	3.70	3319	58.6	3604	64456	PSI	3.100	----	----

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger
LDPM = use LEE Drum Powder Measure with these loads.

Copyright 01-29-2019 Lee Precision, Inc. Hartford WI 53027

c = Compressed charge
NA = None Available

270 WIN

270 WINCHESTER

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
100 Grain Jacketed Bullet												
RELODER 17	51.9	3.62	LDPM	3.40	3170	59.0	3554	NA	NA	3.100	----	----
CFE 223	53.0	3.42	LDPM	3.40	3356	55.8	3514	62900	PSI	3.145	----	----
v-N165	61.7c	4.39	LDPM	4.30	3170	69.9c	3509	NA	NA	3.150	----	----
v-N160	58.6	4.30	LDPM	4.30	3127	65.8c	3468	NA	NA	3.150	----	----
H4350	56.0	4.06	LDPM	4.00	3258	59.4	3401	62750	PSI	3.145	.9873	.9620
H4895	47.0	3.42	LDPM	3.40	3298	50.0	3401	62750	PSI	3.145	.9899	.9783
H-VARGET	48.0	3.51	LDPM	3.40	3232	52.0	3397	62750	PSI	3.145	.9875	.9698
IMR4350	54.0	3.97	LDPM	4.00	3072	59.5c	3383	62750	PSI	3.145	.9827	.9600
H414	53.0	3.50	LDPM	3.40	3262	56.0	3383	63375	PSI	3.145	----	----
WIN 760	53.0	3.53	LDPM	3.40	3262	56.0	3383	63375	PSI	3.145	----	----
IMR4064	48.0	3.58	LDPM	3.40	3116	52.7	3380	62625	PSI	3.145	.9827	.9572
IMR4895	48.0	3.49	LDPM	3.40	3180	52.2	3367	64375	PSI	3.145	.9866	.9829
IMR 4007 SSC	52.0	3.77	LDPM	3.70	3108	57.0	3357	64000	PSI	3.145	.9848	.9623
IMR3031	45.5	3.47	LDPM	3.40	3139	49.0	3339	63000	PSI	3.145	.9824	.9663
H380	50.0	3.45	LDPM	3.40	3160	53.7	3274	62875	PSI	3.145	.9906	.9773
v-N150	44.5	3.32	LDPM	3.10	2945	52.8	3273	NA	NA	3.150	----	----
BL-C(2)	45.0	2.90	LDPM	2.80	3144	47.3	3243	63125	PSI	3.145	----	----
RELODER19	54.6	3.85	LDPM	3.70	2871	62.0c	3220	NA	NA	3.100	----	----
IMR4320	46.2	3.31	LDPM	3.10	3066	50.0	3220	63750	PSI	3.145	.9873	.9793
H335	41.0	2.64	LDPM	2.50	3058	43.5	3185	62750	PSI	3.145	.9840	.9598
110 Grain Jacketed Bullet												
R HUNTER	53.5	3.57	LDPM	3.40	3139	59.4	3419	NA	NA	3.100	----	----
RAM BIG GAME	49.9	3.53	LDPM	3.40	3108	55.5	3381	64913	PSI	3.100	----	----
ACCUR 2700	50.8	3.48	LDPM	3.40	3041	56.4	3343	64619	PSI	3.100	----	----
IMR4350	52.5	3.86	LDPM	3.70	2997	57.8	3308	63625	PSI	3.250	.9816	.9687
CFE 223	50.4	3.26	LDPM	3.10	3142	53.6	3304	61700	PSI	3.250	.9845	.9564
ACCUR 4350	53.0	3.92	LDPM	3.70	2900	59.0c	3300	61300	PSI	3.240	----	----
IMR4895	46.0	3.35	LDPM	3.10	3045	50.2	3269	63875	PSI	3.250	.9833	.9619
H4350	54.0	3.92	LDPM	3.70	3164	57.0	3267	62625	PSI	3.250	----	----
ACC MAG PRO	59.2	3.93	LDPM	3.70	2933	65.8c	3253	62703	PSI	3.100	----	----
IMR 4166	45.5	3.37	LDPM	3.40	3018	49.5	3250	63300	PSI	3.250	.9816	.9525
H-VARGET	43.0	3.14	LDPM	3.10	3072	48.7	3248	63500	PSI	3.250	.9902	.9755
H414	51.0	3.37	LDPM	3.40	3058	55.0	3241	63375	PSI	3.250	.9855	.9624
WIN 760	51.0	3.40	LDPM	3.40	3058	55.0	3241	63375	PSI	3.250	.9855	.9624
HYBRID100	53.0	3.85	LDPM	3.70	3072	57.0	3240	56100	PSI	3.250	.9868	.9692
IMR4064	46.0	3.43	LDPM	3.40	3036	50.7	3223	62875	PSI	3.250	.9873	.9802
RAM MAGNUM	59.6	3.94	LDPM	3.70	2935	66.2c	3223	61100	PSI	3.100	----	----
H4895	45.0	3.28	LDPM	3.10	3113	47.5	3215	63500	PSI	3.250	----	----
H4831	58.0	4.20	LDPM	4.00	3057	62.0c	3214	60250	PSI	3.250	----	----
IMR 4955	57.1	4.14	LDPM	4.00	2984	62.5c	3205	58200	PSI	3.250	----	----
IMR 4007 SSC	50.0	3.62	LDPM	3.40	2931	54.5	3185	63200	PSI	3.250	.9818	.9529
IMR3031	44.0	3.35	LDPM	3.10	3024	47.2	3159	61875	PSI	3.250	.9866	.9773
IMR4320	45.5	3.26	LDPM	3.10	3031	49.7	3152	62625	PSI	3.250	.9906	.9933
IMR 8208 XBR	44.1	3.13	LDPM	3.10	3064	46.4	3146	59500	PSI	3.250	----	----
H380	48.0	3.32	LDPM	3.10	2976	52.0	3124	63125	PSI	3.250	.9879	.9769
BL-C(2)	45.0	2.90	LDPM	2.80	2971	47.5	3089	62750	PSI	3.250	----	----
H335	42.0	2.71	LDPM	2.50	2958	45.0	3081	63500	PSI	3.250	.9863	.9730
115 Grain Jacketed Bullet												
v-N160	46.0	3.38	LDPM	3.40	2769	54.6	3143	NA	NA	3.287	----	----

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger
LDPM = use LEE Drum Powder Measure with these loads.

Copyright 01-29-2019 Lee Precision, Inc. Hartford WI 53027

c = Compressed charge
NA = None Available

270 WINCHESTER

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
115 Grain Jacketed Bullet												
v-N550	44.3	3.07	LDPM	3.10	2858	49.1	3130	NA	NA	3.287	----	----
v-N150	39.5	2.95	LDPM	2.80	2733	45.4	3031	NA	NA	3.287	----	----
120 Grain Barnes X Solid Bullet												
IMR4350	50.5	3.71	LDPM	3.70	2836	56.0	3131	63125	PSI	3.270	.9822	.9683
H4831	58.0	4.20	LDPM	4.00	2918	62.0c	3112	64000	PSI	3.270	----	----
IMR4831	51.5	3.79	LDPM	3.70	2793	56.7	3112	62625	PSI	3.270	.9795	.9604
IMR4064	45.5	3.39	LDPM	3.40	2937	49.2	3096	63750	PSI	3.270	.9858	.9702
H4350	51.0	3.70	LDPM	3.70	2886	55.0	3069	64000	PSI	3.270	.9845	.9666
IMR4895	44.0	3.20	LDPM	3.10	2883	48.2	3057	63250	PSI	3.270	.9861	.9719
IMR4320	44.2	3.16	LDPM	3.10	2782	48.5	3029	63750	PSI	3.270	.9802	.9651
H414	49.0	3.24	LDPM	3.10	2814	53.0	3017	63875	PSI	3.270	.9827	.9583
WIN 760	49.0	3.26	LDPM	3.10	2814	53.0	3017	63875	PSI	3.270	.9827	.9583
H-VARGET	44.0	3.22	LDPM	3.10	2858	47.0	3010	63750	PSI	3.270	.9829	.9683
H380	46.0	3.18	LDPM	3.10	2698	49.5	2980	63750	PSI	3.270	.9718	.9536
IMR3031	42.5	3.24	LDPM	3.10	2864	45.0	2976	61625	PSI	3.270	----	----
H4895	42.0	3.06	LDPM	2.80	2799	45.0	2950	63000	PSI	3.270	.9829	.9629
130 Grain Jacketed Bullet												
RELODER 17	47.5	3.31	LDPM	3.10	2796	54.0	3136	NA	NA	3.200	----	----
v-N560	56.2	3.88	LDPM	3.70	2873	61.3	3132	NA	NA	3.228	----	----
RAM MAGNUM	58.3	3.85	LDPM	3.70	2823	64.8	3128	64812	PSI	3.250	----	----
R HUNTER	49.8	3.32	LDPM	3.10	2870	55.4	3127	64288	PSI	3.275	----	----
ACC MAG PRO	57.0	3.78	LDPM	3.70	2846	63.3	3122	64386	PSI	3.285	----	----
ACCUR 4350	50.2	3.71	LDPM	3.70	2853	55.8	3117	64521	PSI	3.285	----	----
ACCUR 2700	48.1	3.29	LDPM	3.10	2807	53.5	3099	64781	PSI	3.235	----	----
v-N165	54.6	3.89	LDPM	3.70	2787	62.0c	3089	NA	NA	3.268	----	----
IMR 4451	52.6	3.75	LDPM	3.70	2902	56.0	3089	62900	PSI	3.180	.9817	.9509
IMR7828	56.0	4.06	LDPM	4.00	2862	60.2c	3085	62875	PSI	3.180	.9825	.9676
v-N160	51.5	3.78	LDPM	3.70	2779	58.0	3083	NA	NA	3.228	----	----
RAM BIG GAME	47.1	3.33	LDPM	3.10	2844	52.4	3081	64504	PSI	3.250	----	----
HYBRID100	51.0	3.70	LDPM	3.70	2845	56.0	3066	61800	PSI	3.180	.9853	.9623
IMR 4955	55.8	4.04	LDPM	4.00	2812	61.0c	3060	63100	PSI	3.180	----	----
SUPRM780	56.4	3.86	LDPM	3.70	2906	60.0	3043	61900	PSI	3.180	.9873	.9677
IMR 7977	58.9	4.16	LDPM	4.00	2869	62.0c	3038	55100	PSI	3.180	----	----
IMR4350	50.2	3.69	LDPM	3.70	2806	55.0	3028	62375	PSI	3.180	.9843	.9727
H1000	61.0c	4.35	LDPM	4.30	2900	64.0c	3025	60125	PSI	3.180	----	----
H4831	56.0	4.06	LDPM	4.00	2843	60.0c	3019	63750	PSI	3.180	.9850	.9659
H4350	51.0	3.70	LDPM	3.70	2865	54.3	3012	63125	PSI	3.180	.9847	.9669
H414	50.0	3.31	LDPM	3.10	2843	53.5	3003	63500	PSI	3.180	.9845	.9641
WIN 760	50.0	3.33	LDPM	3.10	2843	53.5	3003	63500	PSI	3.180	.9845	.9641
IMR4831	51.0	3.75	LDPM	3.70	2759	55.8	3002	62875	PSI	3.180	.9826	.9674
IMR4895	43.0	3.13	LDPM	3.10	2768	46.9	2957	63250	PSI	3.180	.9834	.9590
IMR 4007 SSC	47.0	3.41	LDPM	3.40	2718	51.5	2949	63700	PSI	3.180	.9821	.9534
RELODER22	51.0	3.56	LDPM	3.40	2629	58.0	2947	NA	NA	3.240	----	----
IMR 8208 XBR	42.8	3.04	LDPM	2.80	2840	45.0	2934	62800	PSI	3.180	----	----
IMR4064	43.0	3.20	LDPM	3.10	2745	47.5	2932	62500	PSI	3.180	.9854	.9675
H-VARGET	43.0	3.14	LDPM	3.10	2797	46.0	2931	62000	PSI	3.180	.9845	.9601
H4895	42.0	3.06	LDPM	2.80	2782	45.0	2922	63750	PSI	3.180	.9836	.9570
IMR4320	45.6	3.26	LDPM	3.10	2850	47.0	2916	62750	PSI	3.180	----	----
RELODER19	50.2	3.54	LDPM	3.40	2589	57.0	2904	NA	NA	3.240	----	----

270 WIN

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger

LDPM = use LEE Drum Powder Measure with these loads.

Copyright 01-29-2019 Lee Precision, Inc. Hartford WI 53027

c = Compressed charge
NA = None Available

270 WINCHESTER

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
130 Grain Barnes X Solid Bullet												
HYBRID100	52.2	3.79	LDPM	3.70	2994	55.5	3144	63100	PSI	3.240	.9854	.9629
IMR4831	52.0	3.82	LDPM	3.70	2822	57.0	3113	61700	PSI	3.230	.9805	.9454
H4350	51.0	3.70	LDPM	3.70	2905	55.5	3111	63500	PSI	3.230	.9850	.9586
IMR 4451	51.5	3.67	LDPM	3.70	2889	55.5	3109	62300	PSI	3.230	.9819	.9526
IMR4350	50.0	3.67	LDPM	3.70	2824	55.0	3104	62800	PSI	3.230	.9811	.9511
ACC MAG PRO	57.2	3.79	LDPM	3.70	2855	63.6	3102	64713	PSI	3.340	----	----
IMR 4955	55.5	4.02	LDPM	4.00	2852	60.7c	3096	63500	PSI	3.230	----	----
IMR7828	55.0	3.99	LDPM	4.00	2815	60.2c	3083	62400	PSI	3.230	.9827	.9534
R HUNTER	49.2	3.28	LDPM	3.10	2772	54.6	3075	64370	PSI	3.340	----	----
RAM MAGNUM	57.2	3.78	LDPM	3.70	2787	63.6	3066	64460	PSI	3.340	----	----
H414	48.0	3.17	LDPM	3.10	2840	52.5	3059	62100	PSI	3.230	.9836	.9547
WIN 760	48.0	3.20	LDPM	3.10	2840	52.5	3059	62100	PSI	3.230	.9836	.9547
IMR 4007 SSC	48.0	3.48	LDPM	3.40	2810	52.0	3037	61500	PSI	3.230	.9808	.9462
IMR 4166	43.5	3.22	LDPM	3.10	2842	47.3	3032	62100	PSI	3.230	.9832	.9587
SUPRM780	55.5	3.80	LDPM	3.70	2882	59.0	3028	60000	PSI	3.240	.9858	.9647
H4831	54.0	3.91	LDPM	3.70	2747	60.0c	3025	59000	PSI	3.230	.9840	.9576
ACCUR 4350	46.9	3.47	LDPM	3.40	2753	52.1	3020	64032	PSI	3.340	----	----
H-VARGET	44.0	3.22	LDPM	3.10	2849	48.0	3013	63200	PSI	3.230	.9861	.9650
IMR4064	42.0	3.13	LDPM	3.10	2760	47.3	3013	62900	PSI	3.230	.9835	.9554
RAM BIG GAME	46.0	3.26	LDPM	3.10	2718	51.1	3013	64637	PSI	3.340	----	----
H380	47.0	3.25	LDPM	3.10	2810	50.8	2989	61600	PSI	3.230	.9837	.9559
IMR 7977	56.0	3.96	LDPM	4.00	2736	59.5	2936	50700	PSI	3.230	.9799	.9496
IMR 8208 XBR	42.3	3.00	LDPM	2.80	2798	45.0	2922	62400	PSI	3.230	.9841	.9588
H1000	57.0	4.06	LDPM	4.00	2716	60.0	2846	48200	PSI	3.230	----	----
135 Grain Jacketed Bullet												
v-N560	55.9	3.86	LDPM	3.70	2874	60.3	3140	NA	NA	3.268	----	----
IMR 4451	51.4	3.67	LDPM	3.70	2878	55.3	3060	63400	PSI	3.340	.9844	.9611
HYBRID100	50.0	3.63	LDPM	3.40	2830	55.0	3056	61600	PSI	3.340	.9849	.9587
v-N160	44.8	3.29	LDPM	3.10	2697	56.5	3048	NA	NA	3.268	----	----
IMR7828	54.0	3.91	LDPM	3.70	2696	60.0c	3046	62500	PSI	3.340	.9799	.9643
IMR 7977	58.9	4.16	LDPM	4.00	2876	62.0c	3043	56500	PSI	3.340	----	----
v-N165	56.3	4.01	LDPM	4.00	2769	60.2	3041	NA	NA	3.268	----	----
IMR 4955	54.8	3.97	LDPM	4.00	2794	59.9	3036	63800	PSI	3.340	.9838	.9621
H1000	61.0c	4.35	LDPM	4.30	2915	63.0c	3011	59500	PSI	3.340	----	----
H4831	55.0	3.99	LDPM	4.00	2812	59.5	3010	63750	PSI	3.340	.9849	.9658
IMR4350	50.0	3.67	LDPM	3.70	2772	54.9	3007	62500	PSI	3.340	.9837	.9636
H4350	50.0	3.63	LDPM	3.40	2834	53.5	2994	63375	PSI	3.340	.9843	.9628
SUPRM780	55.9	3.83	LDPM	3.70	2827	59.5	2994	62000	PSI	3.340	.9842	.9574
IMR4831	51.0	3.75	LDPM	3.70	2774	55.8	2990	63875	PSI	3.340	.9845	.9522
IMR4895	43.0	3.13	LDPM	3.10	2755	47.7	2972	63875	PSI	3.340	.9839	.9658
IMR 4166	42.3	3.13	LDPM	3.10	2709	47.0	2968	63100	PSI	3.340	.9809	.9484
IMR4064	43.5	3.24	LDPM	3.10	2775	47.3	2934	63375	PSI	3.340	.9854	.9663
IMR 4007 SSC	46.0	3.33	LDPM	3.10	2674	51.2	2925	62800	PSI	3.340	.9830	.9556
H414	47.0	3.11	LDPM	3.10	2785	50.0	2910	63125	PSI	3.340	.9856	.9651
WIN 760	47.0	3.13	LDPM	3.10	2785	50.0	2910	63125	PSI	3.340	.9856	.9651
H-VARGET	41.0	3.00	LDPM	2.80	2701	45.0	2902	62750	PSI	3.340	.9821	.9495
IMR4320	43.0	3.08	LDPM	3.10	2718	46.5	2887	62875	PSI	3.340	.9829	.9594
H4895	41.0	2.98	LDPM	2.80	2735	44.0	2879	63250	PSI	3.340	.9832	.9566
H380	44.0	3.04	LDPM	2.80	2667	47.0	2803	63125	PSI	3.340	.9835	.9522

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger

LDPM = use LEE Drum Powder Measure with these loads.

Copyright 01-29-2019 Lee Precision, Inc. Hartford WI 53027

c = Compressed charge

NA = None Available

270 WINCHESTER

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
140 Grain Jacketed Bullet												
R HUNTER	48.7	3.25	LDPM	3.10	2777	54.1	3027	64539	PSI	3.250	----	----
IMR 7977	58.9	4.16	LDPM	4.00	2892	62.0c	3023	59500	PSI	3.280	----	----
ACC MAG PRO	55.4	3.67	LDPM	3.70	2731	61.6	3020	64324	PSI	3.250	----	----
RAM MAGNUM	56.0	3.70	LDPM	3.70	2721	62.2	3014	64197	PSI	3.250	----	----
ACCUR 2700	46.8	3.20	LDPM	3.10	2722	52.0	2979	64888	PSI	3.250	----	----
H1000	59.0	4.21	LDPM	4.00	2771	63.0c	2979	63500	PSI	3.280	----	----
IMR 4451	49.9	3.56	LDPM	3.40	2775	53.7	2977	62700	PSI	3.280	.9818	.9500
HYBRID100	50.0	3.63	LDPM	3.40	2787	54.2	2964	62300	PSI	3.280	.9855	.9648
ACCUR 4350	47.4	3.51	LDPM	3.40	2708	52.7	2962	64615	PSI	3.340	----	----
IMR 4955	54.0	3.91	LDPM	3.70	2713	59.0	2955	62900	PSI	3.280	.9831	.9615
IMR7828	52.0	3.77	LDPM	3.70	2628	57.2	2939	63250	PSI	3.280	.9786	.9581
SUPRM780	54.5	3.73	LDPM	3.70	2758	58.0	2925	60100	PSI	3.280	.9833	.9568
IMR4350	49.0	3.60	LDPM	3.40	2712	53.2	2916	63750	PSI	3.280	.9827	.9644
IMR 4166	41.8	3.10	LDPM	3.10	2645	46.5	2915	63600	PSI	3.280	.9794	.9477
v-N560	48.1	3.32	LDPM	3.10	2589	55.6	2913	NA	NA	3.228	----	----
IMR4831	50.6	3.72	LDPM	3.70	2738	54.0	2896	63375	PSI	3.280	.9837	.9617
H4831	54.0	3.91	LDPM	3.70	2716	58.0	2888	62625	PSI	3.280	.9848	.9675
H4350	49.0	3.55	LDPM	3.40	2737	52.0	2870	63000	PSI	3.280	.9842	.9594
v-N165	47.1	3.35	LDPM	3.10	2592	55.4	2844	NA	NA	3.228	----	----
IMR4064	42.0	3.13	LDPM	3.10	2608	46.1	2828	63500	PSI	3.280	.9804	.9618
IMR4895	42.0	3.06	LDPM	2.80	2650	45.6	2828	62625	PSI	3.280	.9822	.9682
v-N550	40.6	2.81	LDPM	2.80	2487	47.5	2818	NA	NA	3.228	----	----
H414	46.0	3.04	LDPM	2.80	2644	48.9	2788	62250	PSI	3.280	.9818	.9499
WIN 760	46.0	3.06	LDPM	3.10	2644	48.9	2788	62250	PSI	3.280	.9818	.9499
IMR4320	41.5	2.97	LDPM	2.80	2614	44.5	2775	62500	PSI	3.280	.9802	.9488
H-VARGET	41.0	3.00	LDPM	2.80	2623	43.7	2772	63125	PSI	3.280	.9798	.9526
H4895	40.0	2.91	LDPM	2.80	2627	42.6	2768	63250	PSI	3.280	.9800	.9583
140 Grain Barnes X Solid Bullet												
R HUNTER	48.6	3.24	LDPM	3.10	2670	54.0	2967	63490	PSI	3.200	----	----
v-N560	48.1	3.32	LDPM	3.10	2618	53.7	2894	NA	NA	3.209	----	----
v-N165	44.8	3.19	LDPM	3.10	2533	52.8	2828	NA	NA	3.209	----	----
v-N550	37.7	2.61	LDPM	2.50	2418	46.5	2822	NA	NA	3.209	----	----
150 Grain Jacketed Bullet												
ACC MAG PRO	54.4	3.61	LDPM	3.40	2706	60.4	2955	64680	PSI	3.320	----	----
IMR 7977	56.5	4.00	LDPM	4.00	2717	60.8	2940	61300	PSI	3.285	.9817	.9564
RAM MAGNUM	53.9	3.56	LDPM	3.40	2608	59.9	2885	64189	PSI	3.320	----	----
R HUNTER	46.4	3.09	LDPM	3.10	2622	51.5	2869	64334	PSI	3.320	----	----
v-N560	48.3	3.33	LDPM	3.10	2434	56.5	2854	NA	NA	3.287	----	----
v-N165	47.8	3.40	LDPM	3.40	2408	57.7	2854	NA	NA	3.287	----	----
IMR7828	51.2	3.71	LDPM	3.70	2536	56.8	2850	63000	PSI	3.285	.9793	.9587
ACCUR 4350	45.9	3.40	LDPM	3.40	2595	51.0	2847	64193	PSI	3.320	----	----
ACCUR 2700	46.0	3.15	LDPM	3.10	2574	51.0	2840	63500	PSI	3.300	----	----
H1000	55.0	3.92	LDPM	3.70	2689	59.0	2831	63750	PSI	3.285	.9873	.9687
IMR 4955	51.7	3.75	LDPM	3.70	2560	56.6	2829	63900	PSI	3.285	.9797	.9511
IMR4831	46.3	3.40	LDPM	3.40	2498	53.0	2815	63625	PSI	3.285	.9823	.9665
IMR 4451	48.3	3.45	LDPM	3.40	2636	52.0	2815	62000	PSI	3.280	.9823	.9575
HYBRID100	48.0	3.49	LDPM	3.40	2650	52.0	2811	61900	PSI	3.285	.9852	.9646
IMR4350	48.0	3.53	LDPM	3.40	2642	51.6	2809	63625	PSI	3.285	.9831	.9640

270 WIN

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger
LDPM = use LEE Drum Measure with these loads.
Copyright 01-29-2019 Lee Precision, Inc. Hartford WI 53027

c = Compressed charge
NA = None Available

270 WINCHESTER

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
150 Grain Jacketed Bullet												
H4831	52.0	3.77	LDPM	3.70	2651	55.7	2804	64000	PSI	3.285	.9851	.9732
SUPRM780	53.4	3.65	LDPM	3.40	2673	56.8	2774	61200	PSI	3.285	.9891	.9612
RELODER22	47.5	3.31	LDPM	3.10	2469	54.0	2769	NA	NA	3.270	----	----
IMR 4166	40.7	3.02	LDPM	2.80	2506	45.3	2766	63800	PSI	3.285	.9788	.9472
v-N160	45.1	3.31	LDPM	3.10	2395	52.3	2762	NA	NA	3.287	----	----
RELODER19	46.6	3.29	LDPM	3.10	2448	53.0	2745	NA	NA	3.270	----	----
H4350	46.0	3.34	LDPM	3.10	2575	49.0	2724	63750	PSI	3.285	.9814	.9475
IMR4064	42.0	3.13	LDPM	3.10	2584	45.0	2719	63375	PSI	3.285	.9833	.9539
WIN 760	45.0	3.00	LDPM	2.80	2569	48.0	2706	64000	PSI	3.285	.9827	.9579
H414	45.0	2.97	LDPM	2.80	2569	48.0	2706	64000	PSI	3.285	.9827	.9579
IMR4895	41.5	3.02	LDPM	2.80	2560	44.5	2704	63250	PSI	3.285	.9820	.9581
150 Grain Barnes X Solid Bullet												
RAM MAGNUM	56.1	3.71	LDPM	3.70	2588	62.3	2891	64029	PSI	3.210	----	----
ACC MAG PRO	53.6	3.56	LDPM	3.40	2602	59.6	2888	64333	PSI	3.210	----	----
R HUNTER	47.7	3.18	LDPM	3.10	2579	53.0	2866	62870	PSI	3.210	----	----
v-N560	44.8	3.09	LDPM	3.10	2448	51.9	2779	NA	NA	3.228	----	----
ACCUR 4350	44.6	3.30	LDPM	3.10	2509	49.6	2774	NA	NA	3.210	----	----
v-N550	37.7	2.61	LDPM	2.50	2336	45.2	2694	NA	NA	3.228	----	----
v-N165	41.8	2.98	LDPM	2.80	2339	50.5	2687	NA	NA	3.228	----	----
160 Grain Jacketed Bullet												
ACC MAG PRO	53.4	3.54	LDPM	3.40	2630	59.3	2868	64753	PSI	3.300	----	----
IMR 7977	56.4	3.99	LDPM	4.00	2662	60.0	2843	59800	PSI	3.340	.9819	.9552
SUPRM780	54.5	3.73	LDPM	3.70	2704	58.0	2833	62000	PSI	3.340	.9866	.9712
RAM MAGNUM	53.2	3.52	LDPM	3.40	2559	59.1	2822	64489	PSI	3.300	----	----
HYBRID100	48.0	3.49	LDPM	3.40	2578	53.0	2796	63300	PSI	3.340	.9840	.9535
R HUNTER	45.3	3.02	LDPM	2.80	2550	50.4	2781	64861	PSI	3.300	----	----
v-N560	46.5	3.21	LDPM	3.10	2444	52.8	2779	NA	NA	3.331	----	----
IMR 4955	52.3	3.79	LDPM	3.70	2536	57.2	2778	63100	PSI	3.340	.9816	.9567
ACCUR 4350	45.4	3.36	LDPM	3.10	2559	50.4	2769	64241	PSI	3.300	----	----
H1000	55.0	3.92	LDPM	3.70	2614	59.0	2765	63625	PSI	3.340	.9859	.9653
IMR7828	50.5	3.66	LDPM	3.70	2450	56.0	2758	62875	PSI	3.340	.9786	.9543
IMR 4451	47.7	3.40	LDPM	3.40	2526	51.3	2751	62700	PSI	3.340	.9765	.9391
ACCUR 2700	45.0	3.08	LDPM	3.10	2450	50.0	2750	63500	PSI	3.228	----	----
IMR4350	46.5	3.42	LDPM	3.40	2483	51.0	2706	63125	PSI	3.340	.9811	.9604
IMR 4166	39.9	2.96	LDPM	2.80	2434	44.3	2681	62700	PSI	3.340	.9783	.9459
IMR4831	48.5	3.56	LDPM	3.40	2481	52.9	2680	62875	PSI	3.340	.9825	.9588
H4831	50.0	3.62	LDPM	3.40	2510	54.0	2673	63125	PSI	3.340	.9845	.9606
v-N165	44.4	3.16	LDPM	3.10	2411	51.1	2661	NA	NA	3.331	----	----
H4350	46.0	3.34	LDPM	3.10	2501	49.0	2646	63875	PSI	3.340	.9811	.9485
IMR4320	40.0	2.86	LDPM	2.80	2453	42.8	2584	63750	PSI	3.340	.9817	.9525
IMR4064	40.0	2.98	LDPM	2.80	2401	43.3	2580	63000	PSI	3.340	.9783	.9475
IMR4895	40.0	2.91	LDPM	2.80	2334	43.2	2573	62625	PSI	3.340	.9698	.9608
v-N160	38.6	2.83	LDPM	2.80	2293	44.6	2562	NA	NA	3.331	----	----
180 Grain Jacketed Bullet												
H1000	50.0	3.56	LDPM	3.40	2404	54.0	2540	63250	PSI	3.300	.9862	.9716
IMR7828	48.0	3.48	LDPM	3.40	2307	52.8	2529	63000	PSI	3.300	.9809	.9574
H4831	47.0	3.41	LDPM	3.40	2358	50.5	2501	63875	PSI	3.300	.9834	.9704

CAUTION with NEVER EXCEED LOADS, maintain Minimum Overall Length or larger

LDPM = use LEE Drum Powder Measure with these loads.

Copyright 01-29-2019 Lee Precision, Inc. Hartford WI 53027

c = Compressed charge

NA = None Available