



## Hodgdon Powder Company

Cartridge Load Recipe Report - 3/15/2011  
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## 308 Winchester

Load Type: Rifle

Cartridge Information									
Case: Winchester				Barrel Length: 24"					
Twist: 1:12"				Trim Length: 2.005"					
Primer: FEDERAL 210M									
308 Winchester Cartridge Load Data				Starting Loads			Maximum Loads		
Bullet Weight (Gr.)	Powder	Bullet Diam.	C.O.L.	Gr.	Vel. (ft/s)	Pressure	Gr.	Vel. (ft/s)	Pressure
110 GR. BAR TSX FB	IMR 4895	.308"	2.690"	45.0	2831	36,100 PSI	50.0C	3128	46,600 PSI
110 GR. BAR TSX FB	H335	.308"	2.690"	47.3	3078	40,800 PSI	52.5	3358	53,900 PSI
110 GR. BAR TSX FB	H4895	.308"	2.690"	46.1	3055	40,300 PSI	49.0C	3212	46,200 PSI
110 GR. BAR TSX FB	IMR 8208 XBR	.308"	2.690"	45.5	2975	37,700 PSI	50.0C	3266	50,000 PSI
110 GR. BAR TSX FB	IMR 3031	.308"	2.690"	43.2	2913	37,700 PSI	47.0C	3170	47,700 PSI
110 GR. BAR TSX FB	Benchmark	.308"	2.690"	45.2	3005	39,700 PSI	50.2C	3316	54,200 PSI
110 GR. BAR TSX FB	H322	.308"	2.690"	46.1	3139	48,100 PSI	49.0C	3334	59,000 PSI
110 GR. BAR TSX FB	IMR 4198	.308"	2.690"	39.1	3064	46,200 PSI	41.6	3251	57,600 PSI
110 GR. BAR TSX FB	H4198	.308"	2.690"	39.9	3124	48,800 PSI	42.5	3278	58,700 PSI
125 GR. SFIRE	IMR 4895	.308"	2.700"	43.0	2772	42,100 PSI	48.0	3068	55,000 PSI
125 GR. SFIRE	H335	.308"	2.700"	42.0	2840	42,100 PSI	46.5	3075	52,300 PSI
125 GR. SFIRE	H4895	.308"	2.700"	42.0	2796	39,500 PSI	46.0C	3034	49,600 PSI
125 GR. SFIRE	IMR 8208 XBR	.308"	2.700"	42.0	2830	41,200 PSI	46.5C	3110	54,100 PSI
125 GR. SFIRE	IMR 3031	.308"	2.700"	39.0	2741	40,600 PSI	43.5C	3007	51,400 PSI
125 GR. SFIRE	Benchmark	.308"	2.700"	40.0	2736	38,200 PSI	44.5C	3019	52,000 PSI
125 GR. SFIRE	H322	.308"	2.700"	38.0	2760	43,500 PSI	42.5C	2985	52,800 PSI
125 GR. SIE SP	Varget	.308"	2.700"	48.0	3049	42,400 CUP	50.0C	3135	45,700 CUP
125 GR. SIE SP	IMR 4320	.308"	2.700"	48.7	2952	46,400 PSI	53.0C	3167	55,200 PSI
125 GR. SIE SP	IMR 4064	.308"	2.700"	46.0	2891	42,500 PSI	50.1C	3119	52,100 PSI
125 GR. SIE SP	748	.308"	2.700"				52.0	3175	50,000 CUP
125 GR. SIE SP	BL-C(2)	.308"	2.700"	48.0	2876	35,900 CUP	52.0	3069	42,600 CUP
125 GR. SIE SP	IMR 4895	.308"	2.700"	48.0	2969	45,600 PSI	51.8C	3185	55,200 PSI
125 GR. SIE SP	H335	.308"	2.700"	44.0	2840	37,500 CUP	48.0	3080	48,200 CUP
125 GR. SIE SP	H4895	.308"	2.700"	45.0	2891	36,800 CUP	49.0C	3127	48,400 CUP
125 GR. SIE SP	IMR 8208 XBR	.308"	2.700"	46.0	3000	50,200 PSI	49.2C	3174	60,100 PSI
125 GR. SIE SP	IMR 3031	.308"	2.700"	43.2	2866	40,200 PSI	48.0C	3194	58,100 PSI
125 GR. SIE SP	Benchmark	.308"	2.700"	43.0	2821	40,600 CUP	47.5	3070	50,700 CUP
125 GR. SIE SP	H322	.308"	2.700"	42.0	2888	43,400 CUP	45.0	3052	51,400 CUP
125 GR. SIE SP	H4198	.308"	2.700"	36.0	2841	46,600 CUP	39.5	2988	49,800 CUP
130 GR. SPR HP	Varget	.308"	2.615"	47.0	2975	42,900 CUP	50.0C	3130	50,400 CUP
130 GR. SPR HP	IMR 4320	.308"	2.615"	46.8	2819	44,100 PSI	52.0C	3140	59,600 PSI
130 GR. SPR HP	IMR 4064	.308"	2.615"	45.0	2809	43,600 PSI	49.5C	3036	52,300 PSI
130 GR. SPR HP	BL-C(2)	.308"	2.615"	48.0	2897	42,400 CUP	51.5	3089	49,700 CUP
130 GR. SPR HP	IMR 4895	.308"	2.615"	45.9	2867	44,500 PSI	51.0C	3153	57,800 PSI
130 GR. SPR HP	H335	.308"	2.615"	43.0	2805	40,400 CUP	46.0	2980	49,700 CUP

130 GR. SPR HP	H4895	.308"	2.615"	45.0	2903	41,800 CUP	49.0C	3099	50,100 CUP
130 GR. SPR HP	IMR 8208 XBR	.308"	2.615"	43.0	2834	46,900 PSI	48.0C	3110	62,100 PSI
130 GR. SPR HP	IMR 3031	.308"	2.615"	42.0	2827	42,600 PSI	46.7C	3130	59,800 PSI
130 GR. SPR HP	Benchmark	.308"	2.615"	41.0	2704	38,800 CUP	46.0	2985	50,100 CUP
130 GR. SPR HP	H322	.308"	2.615"	40.0	2754	41,200 CUP	43.0	2924	49,800 CUP
130 GR. SPR HP	H4198	.308"	2.615"	35.0	2745	44,700 CUP	37.0	2837	49,700 CUP
140 GR. BAR XBT	Varget	.308"	2.800"	44.0	2751	42,200 CUP	47.0C	2929	50,200 CUP
140 GR. BAR XBT	IMR 4320	.308"	2.800"	45.5	2776	46,200 PSI	50.2C	3025	59,800 PSI
140 GR. BAR XBT	IMR 4064	.308"	2.800"	43.7	2750	44,500 PSI	48.5C	3011	58,000 PSI
140 GR. BAR XBT	BL-C(2)	.308"	2.800"	45.0	2780	43,100 CUP	48.0	2934	51,200 CUP
140 GR. BAR XBT	IMR 4895	.308"	2.800"	44.2	2783	46,100 PSI	48.0C	3016	57,800 PSI
140 GR. BAR XBT	H335	.308"	2.800"	40.0	2673	43,300 CUP	42.5	2803	49,700 CUP
140 GR. BAR XBT	H4895	.308"	2.800"	41.0	2636	36,700 CUP	45.0	2897	50,700 CUP
140 GR. BAR XBT	IMR 3031	.308"	2.800"	40.0	2727	44,800 PSI	43.8C	2954	56,900 PSI
140 GR. BAR XBT	Benchmark	.308"	2.800"	39.0	2576	39,100 CUP	43.5	2828	49,900 CUP
150 GR. NOS BT	IMR 4007 SSC	.308"	2.800"	44.7	2578	44,700 PSI	48.0C	2742	51,300 PSI
150 GR. NOS BT	Varget	.308"	2.800"	44.0	2788	43,300 CUP	47.0C	2937	50,300 CUP
150 GR. NOS BT	IMR 4320	.308"	2.800"	44.1	2658	44,600 PSI	49.0C	2936	59,800 PSI
150 GR. NOS BT	IMR 4064	.308"	2.800"	43.0	2663	44,700 PSI	47.7C	2903	57,100 PSI
150 GR. NOS BT	748	.308"	2.800"				48.5	2865	48,000 CUP
150 GR. NOS BT	BL-C(2)	.308"	2.800"	45.0	2661	40,200 CUP	48.0	2839	50,000 CUP
150 GR. NOS BT	IMR 4895	.308"	2.800"	42.6	2631	42,300 PSI	47.3C	2920	57,700 PSI
150 GR. NOS BT	H335	.308"	2.800"	41.0	2619	42,600 CUP	44.0	2787	51,200 CUP
150 GR. NOS BT	H4895	.308"	2.800"	43.0	2742	43,200 CUP	45.5	2870	51,000 CUP
150 GR. NOS BT	IMR 8208 XBR	.308"	2.800"	40.0	2604	45,500 PSI	44.5C	2870	60,800 PSI
150 GR. NOS BT	IMR 3031	.308"	2.800"	40.2	2658	44,300 PSI	43.5C	2881	59,200 PSI
150 GR. NOS BT	Benchmark	.308"	2.800"	39.0	2521	38,800 CUP	43.0	2752	49,900 CUP
150 GR. NOS BT	H322	.308"	2.800"	37.0	2508	39,100 CUP	40.0	2702	50,500 CUP
150 GR. NOS BT	Trail Boss	.308"	2.800"	10.0	1176	25,800 PSI	14.0	1417	27,100 PSI
155 GR. SIE HPBT	H414	.308"	2.775"	48.0	2625	40,500 CUP	51.0	2793	50,200 CUP
155 GR. SIE HPBT	760	.308"	2.775"	48.0	2625	40,500 CUP	51.0	2793	50,200 CUP
155 GR. SIE HPBT	IMR 4007 SSC	.308"	2.775"	46.5	2592	41,700 PSI	49.5C	2751	49,900 PSI
155 GR. SIE HPBT	Varget	.308"	2.775"	44.0	2759	41,300 CUP	47.0C	2909	49,400 CUP
155 GR. SIE HPBT	IMR 4320	.308"	2.775"	44.0	2622	44,800 PSI	48.5C	2875	58,400 PSI
155 GR. SIE HPBT	IMR 4064	.308"	2.775"	43.0	2602	42,900 PSI	47.5C	2871	56,500 PSI
155 GR. SIE HPBT	BL-C(2)	.308"	2.775"	45.0	2658	37,500 CUP	48.0	2867	49,600 CUP
155 GR. SIE HPBT	IMR 4895	.308"	2.775"	43.5	2664	45,100 PSI	47.5C	2897	58,200 PSI
155 GR. SIE HPBT	H335	.308"	2.775"	41.0	2646	42,100 CUP	43.5	2779	49,900 CUP
155 GR. SIE HPBT	H4895	.308"	2.775"	43.0	2735	42,000 CUP	46.0	2873	49,700 CUP
155 GR. SIE HPBT	IMR 8208 XBR	.308"	2.775"	41.0	2619	47,300 PSI	45.3	2854	60,900 PSI
155 GR. SIE HPBT	IMR 3031	.308"	2.775"	39.5	2594	43,400 PSI	43.2C	2832	58,500 PSI
155 GR. SIE HPBT	Benchmark	.308"	2.775"	39.0	2538	41,900 CUP	43.0	2753	50,200 CUP
155 GR. SIE HPBT	H322	.308"	2.775"	38.0	2588	42,400 CUP	41.0	2710	49,400 CUP
165 GR. HDY SP	H414	.308"	2.750"	48.0	2537	43,500 CUP	52.0	2704	49,200 CUP
165 GR. HDY SP	760	.308"	2.750"	48.0	2537	43,500 CUP	52.0	2704	49,200 CUP
165 GR. HDY SP	IMR 4007 SSC	.308"	2.750"	45.1	2539	45,500 PSI	48.0C	2656	51,100 PSI
165 GR. HDY SP	Varget	.308"	2.750"	42.0	2582	40,800 CUP	46.0C	2773	50,500 CUP

165 GR. HDY SP	IMR 4320	.308"	2.750"	43.0	2536	46,900 PSI	46.5C	2730	58,400 PSI
165 GR. HDY SP	IMR 4064	.308"	2.750"	42.0	2554	47,700 PSI	46.3C	2767	59,700 PSI
165 GR. HDY SP	BL-C(2)	.308"	2.750"	44.0	2528	37,700 CUP	47.5	2738	49,700 CUP
165 GR. HDY SP	IMR 4895	.308"	2.750"	42.7	2584	49,200 PSI	45.5C	2745	58,800 PSI
165 GR. HDY SP	H335	.308"	2.750"	39.0	2432	44,500 CUP	42.0	2608	49,100 CUP
165 GR. HDY SP	H4895	.308"	2.750"	41.0	2525	38,600 CUP	43.5	2694	50,000 CUP
165 GR. HDY SP	IMR 8208 XBR	.308"	2.750"	38.5	2491	49,100 PSI	42.8	2691	60,200 PSI
165 GR. HDY SP	IMR 3031	.308"	2.750"	39.1	2537	49,600 PSI	41.6	2697	59,800 PSI
165 GR. HDY SP	Benchmark	.308"	2.750"	38.5	2438	40,200 CUP	42.5	2647	50,500 CUP
168 GR. SIE HPBT	IMR 4007 SSC	.308"	2.800"	43.2	2466	44,300 PSI	48.0C	2729	58,300 PSI
168 GR. SIE HPBT	Varget	.308"	2.800"	42.0	2520	41,200 CUP	46.0C	2731	50,600 CUP
168 GR. SIE HPBT	IMR 4320	.308"	2.800"	41.5	2463	43,800 PSI	46.0	2733	59,300 PSI
168 GR. SIE HPBT	IMR 4064	.308"	2.800"	41.5	2518	43,800 PSI	45.9C	2766	58,800 PSI
168 GR. SIE HPBT	BL-C(2)	.308"	2.800"	44.0	2569	39,400 CUP	47.0	2754	50,200 CUP
168 GR. SIE HPBT	IMR 4895	.308"	2.800"	41.0	2447	39,700 PSI	45.4C	2758	58,000 PSI
168 GR. SIE HPBT	H335	.308"	2.800"	39.0	2451	37,700 CUP	42.0	2631	49,300 CUP
168 GR. SIE HPBT	H4895	.308"	2.800"	41.0	2551	38,300 CUP	43.5	2703	49,500 CUP
168 GR. SIE HPBT	IMR 8208 XBR	.308"	2.800"	39.0	2493	49,000 PSI	43.3	2707	61,500 PSI
168 GR. SIE HPBT	IMR 3031	.308"	2.800"	39.0	2507	43,900 PSI	42.0	2710	58,900 PSI
168 GR. SIE HPBT	Benchmark	.308"	2.800"	38.0	2416	38,100 CUP	42.0	2630	49,300 CUP
168 GR. SIE HPBT	Titegroup	.308"	2.800"				8.0	1080	25,000 CUP
168 GR. SIE HPBT	Clays	.308"	2.800"				8.0	1060	26,800 CUP
175 GR. SIE HPBT	H414	.308"	2.800"	46.0	2484	40,300 CUP	49.0	2629	50,100 CUP
175 GR. SIE HPBT	760	.308"	2.800"	46.0	2484	40,300 CUP	49.0	2629	50,100 CUP
175 GR. SIE HPBT	IMR 4007 SSC	.308"	2.800"	45.0	2489	46,100 PSI	48.0C	2666	56,500 PSI
175 GR. SIE HPBT	Varget	.308"	2.800"	42.0	2583	42,600 CUP	45.0C	2690	48,600 CUP
175 GR. SIE HPBT	IMR 4320	.308"	2.800"	42.0	2471	44,000 PSI	45.7C	2687	57,600 PSI
175 GR. SIE HPBT	IMR 4064	.308"	2.800"	41.5	2500	45,200 PSI	45.6C	2728	59,500 PSI
175 GR. SIE HPBT	BL-C(2)	.308"	2.800"	43.0	2517	39,200 CUP	46.0	2706	50,300 CUP
175 GR. SIE HPBT	IMR 4895	.308"	2.800"	41.0	2463	42,800 PSI	45.0C	2704	57,800 PSI
175 GR. SIE HPBT	H335	.308"	2.800"	38.0	2390	38,800 CUP	41.3	2592	50,100 CUP
175 GR. SIE HPBT	H4895	.308"	2.800"	40.0	2489	39,100 CUP	42.7	2647	49,000 CUP
175 GR. SIE HPBT	IMR 8208 XBR	.308"	2.800"	39.0	2511	52,200 PSI	42.5	2664	61,800 PSI
175 GR. SIE HPBT	IMR 3031	.308"	2.800"	38.0	2427	42,000 PSI	41.3	2653	59,100 PSI
175 GR. SIE HPBT	Benchmark	.308"	2.800"	38.0	2400	40,100 CUP	41.5	2590	50,800 CUP
180 GR. SPR SP	H414	.308"	2.800"	46.0	2433	39,800 CUP	49.0	2573	47,500 CUP
180 GR. SPR SP	760	.308"	2.800"	46.0	2433	39,800 CUP	49.0	2573	47,500 CUP
180 GR. SPR SP	IMR 4007 SSC	.308"	2.800"	45.0	2481	46,600 PSI	48.0C	2616	54,200 PSI
180 GR. SPR SP	Varget	.308"	2.800"	41.0	2470	41,200 CUP	45.0C	2661	49,600 CUP
180 GR. SPR SP	IMR 4320	.308"	2.800"	41.0	2407	43,500 PSI	45.4C	2665	57,900 PSI
180 GR. SPR SP	IMR 4064	.308"	2.800"	40.7	2445	44,100 PSI	45.2C	2683	58,200 PSI
180 GR. SPR SP	748	.308"	2.800"				46.5	2610	48,500 CUP
180 GR. SPR SP	BL-C(2)	.308"	2.800"	42.0	2460	40,300 CUP	46.0	2660	50,100 CUP
180 GR. SPR SP	IMR 4895	.308"	2.800"	40.5	2439	43,800 PSI	44.7C	2674	58,700 PSI
180 GR. SPR SP	H335	.308"	2.800"	38.0	2374	41,100 CUP	41.0	2528	49,500 CUP
180 GR. SPR SP	H4895	.308"	2.800"	40.0	2454	41,200 CUP	42.5	2595	49,700 CUP
180 GR. SPR SP	IMR 8208 XBR	.308"	2.800"	36.0	2340	51,600 PSI	40.0	2497	60,100 PSI

180 GR. SPR SP	IMR 3031	.308"	2.800"	37.0	2372	43,300 PSI	40.6	2594	58,000 PSI
180 GR. SPR SP	Benchmark	.308"	2.800"	38.0	2363	40,700 CUP	41.3	2542	50,800 CUP
190 GR. HDY BTSP	H414	.308"	2.740"	45.0	2368	42,100 CUP	48.0	2504	48,700 CUP
190 GR. HDY BTSP	760	.308"	2.740"	45.0	2386	42,100 CUP	48.0	2504	48,700 CUP
190 GR. HDY BTSP	IMR 4007 SSC	.308"	2.740"	44.7	2446	49,900 PSI	47.5	2570	58,000 PSI
190 GR. HDY BTSP	Varget	.308"	2.740"	41.0	2452	46,100 CUP	44.0C	2536	49,100 CUP
190 GR. HDY BTSP	IMR 4320	.308"	2.740"	41.0	2430	50,700 PSI	43.7C	2566	58,800 PSI
190 GR. HDY BTSP	IMR 4064	.308"	2.740"	39.4	2365	47,800 PSI	43.7C	2569	59,100 PSI
190 GR. HDY BTSP	748	.308"	2.740"				42.0	2445	49,000 CUP
190 GR. HDY BTSP	BL-C(2)	.308"	2.740"	42.0	2396	41,300 CUP	44.5	2543	48,700 CUP
190 GR. HDY BTSP	IMR 4895	.308"	2.740"	40.0	2363	46,000 PSI	43.9C	2571	59,100 PSI
190 GR. HDY BTSP	H335	.308"	2.740"	37.0	2246	39,200 CUP	40.0	2449	49,800 CUP
190 GR. HDY BTSP	H4895	.308"	2.740"	39.0	2359	40,400 CUP	42.0	2514	49,500 CUP
190 GR. HDY BTSP	IMR 8208 XBR	.308"	2.740"	36.0	2303	51,700 PSI	40.0	2459	59,800 PSI
190 GR. HDY BTSP	IMR 3031	.308"	2.740"	36.0	2273	43,800 PSI	39.6C	2483	57,700 PSI
190 GR. HDY BTSP	Benchmark	.308"	2.740"	37.0	2288	41,100 CUP	39.5	2418	48,500 CUP
200 GR. SFT SP	760	.308"	2.700"				45.7	2430	46,500 CUP
200 GR. SFT SP	IMR 4007 SSC	.308"	2.700"	41.4	2216	40,400 PSI	44.0C	2358	48,700 PSI
200 GR. SFT SP	Varget	.308"	2.700"	39.0	2288	43,100 CUP	42.0C	2441	50,100 CUP
200 GR. SFT SP	IMR 4320	.308"	2.700"	38.3	2222	44,900 PSI	42.5C	2427	56,600 PSI
200 GR. SFT SP	IMR 4064	.308"	2.700"	39.0	2268	46,100 PSI	42.5C	2466	58,400 PSI
200 GR. SFT SP	748	.308"	2.700"				43.0	2435	50,000 CUP
200 GR. SFT SP	BL-C(2)	.308"	2.700"	41.0	2213	40,200 CUP	43.5	2514	49,800 CUP
200 GR. SFT SP	IMR 4895	.308"	2.700"	40.0	2302	47,500 PSI	43.2C	2476	59,000 PSI
200 GR. SFT SP	H335	.308"	2.700"	37.0	2217	41,600 CUP	39.5	2400	50,400 CUP
200 GR. SFT SP	H4895	.308"	2.700"	38.0	2256	42,400 CUP	41.0C	2403	49,400 CUP
200 GR. SFT SP	IMR 8208 XBR	.308"	2.700"	35.5	2250	51,900 PSI	39.5	2400	59,900 PSI
200 GR. SFT SP	IMR 3031	.308"	2.700"	36.0	2219	46,100 PSI	39.5C	2410	59,200 PSI
200 GR. SFT SP	Benchmark	.308"	2.700"	37.5	2227	43,000 CUP	40.0	2355	50,100 CUP

NEVER EXCEED MAXIMUM LOADS