Big Horn Armory

Handloading Manual

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Rev 2.1

Handloading Safety

1. **All loads listed use specific combinations of reloading components. Substitutions of any component can create unsafe conditions. The handloader must ensure that all components used are the same as listed in this manual for each specific load and are in good, serviceable condition.**
2. **Modern ammunition uses smokeless powder as the energy source. Smokeless powder is much more powerful than black powder or Pyrodex®. Never substitute smokeless powder for black powder or Pyrodex®, and never mix it with either.**
3. **Follow loading recommendations exactly. Don't substitute components for those listed. Start loading with the minimum powder charge in the loads shown. Never exceed the maximum load listed in this manual.**
4. **Never exceed manufacturers' reloading data. Excess pressures caused by excessive loads could severely damage a firearm and cause serious injury or death.**
5. **Understand what you are doing and why it must be done in a specific way.**
6. **Stay alert when reloading. Don't reload when distracted, disturbed or tired.**
7. **Set up a loading procedure and follow it. Don't vary your sequence of operations.**
8. **Set up your reloading bench where powder and primers will not be exposed to heat, sparks or flame.**
9. **DO NOT smoke while reloading.**
10. **ALWAYS wear safety glasses while reloading.**

11. **Keep everything out of the reach of children.**
12. **Keep your reloading bench clean and uncluttered. Label components and reloads for easy identification.**
13. **Do not eat while handling lead.**
14. **NEVER try to dislodge a loaded cartridge that has become stuck in the chamber by impacting it with a cleaning rod. Have a competent gunsmith remove the round.**
15. **Velocities listed are compiled using test guns under controlled conditions and may not reflect what the handloader may measure on his equipment.**
16. **This manual assumes that the handloader is experienced in the art and science of handloading and understands the potential danger involved. If the handloader is not experienced and comfortable with this process, he should become experienced before using this data.**
17. **The handloader assumes all risk, liability and responsibility for the use of this data and any and all injuries, death, losses, or damages to persons or property from the use of this data. Big Horn Armory, Inc. has no control over the handloader and specifically disclaims all liability for consequential damages of any kind whatsoever.**
18. **Smokeless powder is a HIGHLY FLAMMABLE. It should be used and stored to avoid sparks, heat, flame or other circumstances which would ignite the powder.**
19. **Store powder only in its original container.**

500 Smith & Wesson Magnum

TRIM LENGTH 1.615" BULLET DIA .500" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
275	BARNES	XPB	AA #9	35.1	2145	2806	39.0	2350	3368	2.085	CCI200	STARLINE	46.2	
275	BARNES	XPB	AA 4100	36.6	2122	2747	40.7	2325	3297	2.085	CCI200	STARLINE	45.7	
275	BARNES	XPB	ENFORCER	37.8	2131	2770	42.0	2354	3380	2.085	CCI200	STARLINE	46.2	
275	BARNES	XPB	H110	42.0	2265	3129	45.0	2382	3461	2.085	WLRM	STARLINE	46.8	
275	BARNES	XPB	H4227	40.0	2191	2928	44.0	2347	3360	2.085	WLRM	STARLINE	46.1	
275	BARNES	XPB	IMR4227	40.6	2095	2677	45.2	2254	3099	2.085	CCI200	STARLINE	44.3	
275	BARNES	XPB	LIL'GUN	40.5	2277	3162	44.0	2437	3622	2.085	WLRM	STARLINE	47.9	
275	BARNES	XPB	LONGSHOT	20.0	1894	2188	25.0	2124	2752	2.085	WLRM	STARLINE	41.7	
275	BARNES	XPB	N110	35.5	2163	2854	39.5	2324	3294	2.085	CCI200	STARLINE	45.7	
275	BARNES	XPB	TITEGROUP	11.0	1470	1318	20.0	2007	2457	2.085	WLRM	STARLINE	39.4	
275	BARNES	XPB	W296	42.0	2265	3129	45.0	2382	3461	2.085	WLRM	STARLINE	46.8	
275	BARNES	XPB	UNIQUE	17.5	1776	1924	19.5	1912	2230	2.085	CCI200	STARLINE	37.6	REDUCED LOAD
300	HORNADY	FTX	AA #9	38.6	2115	2976	45.4	2399	3830	2.175	WLR	HORNADY	51.4	
300	HORNADY	FTX	AA 1680	48.5	1961	2559	53.9	2152	3082	2.175	WLR	HORNADY	46.1	
300	HORNADY	FTX	AA 4100	41.4	2129	3016	48.7	2430	3929	2.175	WLR	HORNADY	52.1	
300	HORNADY	FTX	AA 5744	40.8	1876	2342	48.0	2147	3067	2.175	WLR	HORNADY	46.0	
300	HORNADY	FTX	ENFORCER	41.4	2129	3016	48.7	2430	3929	2.175	WLR	HORNADY	52.1	
300	HORNADY	FTX	AA #2	21.1	1860	2302				2.175	WLR	HORNADY	39.9	REDUCED LOAD
300	HORNADY	FTX	AA 5744	33.5	1602	1708				2.175	WLR	HORNADY	34.3	REDUCED LOAD
300	SPEER	TMJ	3N38	29.3	2055	2810	33.9	2213	3259	2.008	WLR	STARLINE	47.4	
300	SPEER	TMJ	N105	30.6	2059	2821	36.0	2265	3414	2.008	WLR	STARLINE	48.5	
300	SPEER	TMJ	N110	40.0	2170	3133	45.5	2439	3958	2.008	WLR	STARLINE	52.3	
325	BARNES	THIS BULLET IS NOT TO BE USED. THE BULLET TIP SITS INSIDE OF THE NEXT CARTRIDGE'S PRIMER INSIDE THE MAG TUBE.												
335	RAINIER	PHP	AA #2	20.0	1732	2229	23.5	1879	2623	1.960	WLR	HORNADY	45.0	
335	RAINIER	PHP	AA #9	37.6	2073	3193	41.8	2209	3626	1.960	WLR	HORNADY	52.9	
335	RAINIER	PHP	AA 4100	38.3	2018	3026	45.0	2230	3695	1.960	WLR	HORNADY	53.4	
335	RAINIER	PHP	AA 5744	41.7	1885	2640	49.0	2180	3531	1.960	WLR	HORNADY	52.2	

500 Smith & Wesson Magnum

TRIM LENGTH 1.615" BULLET DIA .500" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
335	RAINIER	PHP	ENFORCER	38.3	2018	3026	45.0	2230	3695	1.960	WLR	HORNADY	53.4	
335	RAINIER	PHP	AA 5744	33.3	1549	1783				1.960	WLR	HORNADY	37.1	REDUCED LOAD
350	HORNADY	XTP	3N38	25.3	1835	2614	30.9	2062	3301	1.984	WLR	STARLINE	51.6	
350	HORNADY	XTP	AA #9	37.6	2049	3259	41.8	2178	3683	1.980	WLR	HORNADY	54.5	
350	HORNADY	XTP	AA 1680	48.2	1926	2880	53.6	2120	3489	1.980	WLR	HORNADY	53.0	
350	HORNADY	XTP	AA 4100	33.0	1895	2788	36.7	2071	3330	1.985	CCI200	STARLINE	51.8	
350	HORNADY	XTP	AA 4100	38.2	1985	3059	45.0	2214	3805	1.980	WLR	HORNADY	55.4	
350	HORNADY	XTP	AA 5744	42.0	1899	2799	49.4	2168	3649	1.980	WLR	HORNADY	54.2	
350	HORNADY	XTP	ENFORCER	38.2	1985	3059	45.0	2214	3805	1.980	WLR	HORNADY	55.4	
350	HORNADY	XTP	H110	38.8	2080	3359	40.0	2144	3568	1.985	CCI200	STARLINE	53.6	
350	HORNADY	XTP	H110	39.0	2012	3143	43.0	2177	3679	1.985	WLRM	STARLINE	54.4	
350	HORNADY	XTP	H4227	38.0	1975	3028	42.5	2163	3632	1.985	WLRM	STARLINE	54.1	
350	HORNADY	XTP	IMR4227	37.3	1856	2674	41.5	2070	3326	1.985	CCI200	STARLINE	51.8	
350	HORNADY	XTP	LIL'GUN	33.3	1988	3068	37.0	2119	3486	1.985	CCI200	STARLINE	53.0	
350	HORNADY	XTP	LIL'GUN	35.0	1997	3096	42.0	2212	3798	1.985	WLRM	STARLINE	55.3	
350	HORNADY	XTP	LONGSHOT	21.0	1782	2465	23.0	1902	2808	1.985	WLRM	STARLINE	47.6	
350	HORNADY	XTP	N105	27.0	1898	2797	31.2	2013	3146	1.984	WLR	STARLINE	50.3	
350	HORNADY	XTP	N110	32.6	1956	2970	36.3	2079	3355	1.985	CCI200	STARLINE	52.0	
350	HORNADY	XTP	N110	33.8	2009	3133	38.7	2183	3699	1.984	WLR	STARLINE	54.6	
350	HORNADY	XTP	N120	42.6	1950	2952	44.7	2068	3320	1.984	WLR	STARLINE	51.7	
350	HORNADY	XTP	W296	39.0	2012	3143	43.0	2177	3679	1.985	WLRM	STARLINE	54.4	
350	HORNADY	XTP	AA #2	19.7	1721	2299				1.980	WLR	HORNADY	43.0	REDUCED LOAD
350	HORNADY	XTP	AA 5744	32.8	1564	1899				1.980	WLR	HORNADY	39.1	REDUCED LOAD
350	HORNADY	XTP	TITEGROUP	11.0	1332	1377	18.5	1761	2407	1.985	WLRM	STARLINE	44.0	REDUCED LOAD
350	HORNADY	XTP	UNIQUE	18.0	1668	2160	20.0	1771	2435	1.985	CCI200	STARLINE	44.3	REDUCED LOAD
350	SIERRA	JHP	AA #9	38.1	2026	3186	42.3	2168	3649	2.050	WLR	HORNADY	54.2	
350	SIERRA	JHP	AA 1680	50.1	1951	2955	55.7	2149	3585	2.050	WLR	HORNADY	53.7	

500 Smith & Wesson Magnum

TRIM LENGTH 1.615" BULLET DIA .500" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
350	SIERRA	JHP	AA 4100	39.6	1988	3068	46.5	2218	3819	2.050	WLR	HORNADY	55.5	
350	SIERRA	JHP	AA 5744	43.3	1920	2862	51.0	2192	3730	2.050	WLR	HORNADY	54.8	
350	SIERRA	JHP	ENFORCER	39.6	1986	3062	46.5	2216	3812	2.050	WLR	HORNADY	55.4	
350	SIERRA	JHP	AA #2	20.4	1719	2294				2.050	WLR	HORNADY	43.0	REDUCED LOAD
350	SIERRA	JHP	AA 5744	34.0	1586	1953				2.050	WLR	HORNADY	39.7	REDUCED LOAD
370	CAST PERF	WFNGC	AA #9	35.2	1956	3140	41.5	2174	3879	1.995	WLR	HORNADY	57.5	
370	CAST PERF	WFNGC	AA 1680	47.4	1928	3051	52.7	2126	3709	1.995	WLR	HORNADY	56.2	
370	CAST PERF	WFNGC	AA 4100	37.8	1970	3185	44.4	2198	3965	1.995	WLR	HORNADY	58.1	
370	CAST PERF	WFNGC	AA 5744	41.3	1873	2879	48.6	2133	3734	1.995	WLR	HORNADY	56.4	
370	CAST PERF	WFNGC	ENFORCER	37.8	1970	3185	44.4	2198	3965	1.995	WLR	HORNADY	58.1	
370	CAST PERF	WFNGC	H110	44.5	2101	3623	47.0	2209	4005	2.020	WLRM	STARLINE	58.4	
370	CAST PERF	WFNGC	H4227	40.0	1988	3243	42.0	2084	3564	2.020	WLRM	STARLINE	55.1	
370	CAST PERF	WFNGC	LIL'GUN	41.0	2131	3727	44.5	2249	4151	2.020	WLRM	STARLINE	59.4	
370	CAST PERF	WFNGC	W296	44.5	2101	3623	47.0	2209	4005	2.020	WLRM	STARLINE	58.4	
370	CAST PERF	WFNGC	AA 5744	32.8	1568	2018				1.995	WLR	HORNADY	41.4	REDUCED LOAD
370	CAST PERF	WFNGC	TITEGROUP	16.0	1626	2170	18.5	1731	2459	2.020	WLRM	STARLINE	45.7	REDUCED LOAD
370	CAST PERF	WFNGC	TRAIL BOSS	8.0	1046	898	12.0	1226	1234	2.020	WLRM	STARLINE	32.4	REDUCED LOAD
375	BARNES	THIS BULLET IS NOT TO BE USED. THE BULLET TIP SITS INSIDE OF THE NEXT CARTRIDGE'S PRIMER INSIDE THE MAG TUBE.												
375	LYMAN	HCLK	AA #9	29.7	1807	2716	33.0	1980	3261	2.035	CCI200	STARLINE	53.0	
375	LYMAN	HCLK	AA 4100	30.2	1800	2695	33.5	1951	3166	2.035	CCI200	STARLINE	52.3	
375	LYMAN	HCLK	ENFORCER	31.5	1847	2837	34.0	1938	3124	2.035	CCI200	STARLINE	51.9	
375	LYMAN	HCLK	H110	32.0	1760	2576	35.5	1950	3163	2.035	CCI200	STARLINE	52.2	
375	LYMAN	HCLK	IMR4227	35.0	1734	2501	39.0	1933	3108	2.035	CCI200	STARLINE	51.8	
375	LYMAN	HCLK	LIL'GUN	30.0	1844	2828	33.2	1967	3218	2.035	CCI200	STARLINE	52.7	
375	LYMAN	HCLK	N110	29.7	1787	2656	33.0	1935	3114	2.035	CCI200	STARLINE	51.8	
375	LYMAN	HCLK	UNIQUE	12.5	1365	1550	17.5	1661	2295	2.035	CCI200	STARLINE	44.5	
400	SIERRA	JSP	3N38	25.2	1747	2708	28.5	1894	3183	2.051	WLR	STARLINE	54.1	
400	SIERRA	JSP	AA #9	31.0	1842	3010	34.5	1995	3531	2.050	CCI200	STARLINE	57.0	

500 Smith & Wesson Magnum

TRIM LENGTH 1.615" BULLET DIA .500" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
400	SIERRA	JSP	AA 1680	45.0	1806	2894	50.0	1999	3545	2.045	WLR	HORNADY	57.1	
400	SIERRA	JSP	AA 4100	31.5	1815	2923	35.0	1955	3391	2.050	CCI200	STARLINE	55.9	
400	SIERRA	JSP	AA 5744	39.7	1784	2824	46.7	2063	3776	2.045	WLR	HORNADY	58.9	
400	SIERRA	JSP	ENFORCER	30.1	1772	2786	33.5	1907	3226	2.050	CCI200	STARLINE	54.5	
400	SIERRA	JSP	H110	34.0	1814	2919	40.0	2021	3624	2.050	WLRM	STARLINE	57.7	
400	SIERRA	JSP	H4227	36.5	1885	3152	39.5	1998	3542	2.050	WLRM	STARLINE	57.1	
400	SIERRA	JSP	IMR4227	35.5	1763	2758	39.5	1945	3356	2.050	CCI200	STARLINE	55.6	
400	SIERRA	JSP	LIL'GUN	31.0	1820	2939	37.0	2025	3638	2.050	WLRM	STARLINE	57.9	
400	SIERRA	JSP	N105	25.0	1744	2698	31.0	1957	3398	2.051	WLR	STARLINE	55.9	
400	SIERRA	JSP	N110	32.6	1891	3173	37.3	2059	3761	2.051	WLR	STARLINE	58.8	
400	SIERRA	JSP	W296	34.0	1814	2919	40.0	2021	3624	2.050	WLRM	STARLINE	57.7	
400	SIERRA	JSP	AA #2	18.2	1566	2176				2.045	WLR	HORNADY	44.7	REDUCED LOAD
400	SIERRA	JSP	AA 5744	31.8	1492	1975				2.045	WLR	HORNADY	42.6	REDUCED LOAD
400	SIERRA	JSP	LONGSHOT	18.0	1574	2198	22.0	1758	2742	2.050	WLRM	STARLINE	50.2	REDUCED LOAD
400	SIERRA	JSP	TITEGROUP	15.0	1508	2018	17.5	1635	2372	2.050	WLRM	STARLINE	46.7	REDUCED LOAD
400	SIERRA	JSP	UNIQUE	16.2	1516	2039	18.0	1598	2266	2.050	CCI200	STARLINE	45.7	REDUCED LOAD
440	CAST PERF	WFNGC	AA #9	28.1	1763	3033	33.0	1902	3530	2.005	WLR	HORNADY	59.8	
440	CAST PERF	WFNGC	AA 1680	42.7	1840	3304	47.5	2001	3908	2.005	WLR	HORNADY	62.9	
440	CAST PERF	WFNGC	AA 4100	32.0	1812	3204	37.6	1976	3811	2.005	WLR	HORNADY	62.1	
440	CAST PERF	WFNGC	AA 5744	36.3	1725	2904	42.7	1955	3730	2.005	WLR	HORNADY	61.4	
440	CAST PERF	WFNGC	ENFORCER	32.0	1812	3204	37.6	1976	3811	2.005	WLR	HORNADY	62.1	
440	CAST PERF	WFNGC	H110	34.0	1809	3194	38.0	1954	3726	2.025	WLRM	STARLINE	61.4	
440	CAST PERF	WFNGC	H4227	34.0	1796	3148	37.0	1909	3557	2.025	WLRM	STARLINE	60.0	
440	CAST PERF	WFNGC	LIL'GUN	30.0	1783	3103	35.0	1953	3722	2.025	WLRM	STARLINE	61.4	
440	CAST PERF	WFNGC	LONGSHOT	18.5	1600	2498	20.7	1693	2797	2.025	WLRM	STARLINE	53.2	
440	CAST PERF	WFNGC	TITEGROUP	14.5	1491	2170	16.5	1578	2430	2.025	WLRM	STARLINE	49.6	
440	CAST PERF	WFNGC	W296	34.0	1809	3194	38.0	1954	3726	2.025	WLRM	STARLINE	61.4	

500 Smith & Wesson Magnum

TRIM LENGTH 1.615" BULLET DIA .500" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
440	CAST PERF	WFNGC	AA 5744	28.4	1445	2038				2.005	WLR	HORNADY	45.4	REDUCED LOAD
440	CAST PERF	WFNGC	TRAIL BOSS	7.0	943	868	10.0	1099	1179	2.025	WLRM	STARLINE	34.5	REDUCED LOAD
440	MATT'S BW	LFNGC	AA #9	31.0	1775	3075	36.4	1926	3620	2.105	WLR	HORNADY	60.5	
440	MATT'S BW	LFNGC	AA 1680	44.7	1841	3308	49.7	2022	3990	2.105	WLR	HORNADY	63.5	
440	MATT'S BW	LFNGC	AA 4100	33.4	1776	3078	39.4	1959	3745	2.105	WLR	HORNADY	61.6	
440	MATT'S BW	LFNGC	AA 5744	38.1	1735	2938	44.8	1969	3784	2.105	WLR	HORNADY	61.9	
440	MATT'S BW	LFNGC	ENFORCER	33.4	1776	3078	39.4	1959	3745	2.105	WLR	HORNADY	61.6	
440	MATT'S BW	LFNGC	AA 5744	29.1	1421	1971				2.105	WLR	HORNADY	44.7	REDUCED LOAD
450	MATT'S BW	LFNGC	AA #9	27.9	1720	2953	32.8	1892	3573	1.995	WLR	HORNADY	60.8	
450	MATT'S BW	LFNGC	AA 1680	39.4	1741	3025	43.7	1919	3676	1.995	WLR	HORNADY	61.7	
450	MATT'S BW	LFNGC	AA 4100	31.7	1786	3184	37.2	1961	3838	1.995	WLR	HORNADY	63.0	
450	MATT'S BW	LFNGC	AA 5744	34.8	1674	2797	40.9	1896	3588	1.995	WLR	HORNADY	60.9	
450	MATT'S BW	LFNGC	ENFORCER	31.7	1786	3184	37.2	1961	3838	1.995	WLR	HORNADY	63.0	
450	MATT'S BW	LFNGC	AA 5744	26.7	1380	1901				1.995	WLR	HORNADY	44.4	REDUCED LOAD
450	MT BALDY	LFNGC	AA 5744	27.0	1369	1871				2.050	WLR	HORNADY	44.0	REDUCED LOAD
450	MT BALDY	LFNGC	AA #9	28.2	1763	3102	33.1	1897	3592	2.050	WLR	HORNADY	61.0	
450	MT BALDY	LFNGC	AA 1680	42.2	1837	3368	46.9	1997	3980	2.050	WLR	HORNADY	64.2	
450	MT BALDY	LFNGC	AA 4100	31.0	1766	3113	36.4	1939	3753	2.050	WLR	HORNADY	62.3	
450	MT BALDY	LFNGC	AA 5744	35.8	1701	2888	42.1	1941	3760	2.050	WLR	HORNADY	62.4	
450	MT BALDY	LFNGC	ENFORCER	31.0	1766	3113	36.4	1939	3753	2.050	WLR	HORNADY	62.3	
500	HORNADY	JSP	AA #9	26.0	1613	2885	28.8	1731	3323	2.065	CCI200	STARLINE	61.8	
500	HORNADY	JSP	AA #9	25.3	1557	2688	29.7	1703	3216	2.070	WLR	HORNADY	60.8	
500	HORNADY	JSP	AA 1680	39.4	1705	3224	43.7	1833	3726	2.070	WLR	HORNADY	65.5	
500	HORNADY	JSP	AA 4100	26.0	1589	2800	29.0	1704	3220	2.065	CCI200	STARLINE	60.9	
500	HORNADY	JSP	AA 4100	28.3	1606	2860	33.2	1766	3459	2.070	WLR	HORNADY	63.1	
500	HORNADY	JSP	AA 5744	33.9	1576	2755	39.9	1803	3605	2.070	WLR	HORNADY	64.4	
500	HORNADY	JSP	ENFORCER	25.2	1557	2688	28.0	1674	3108	2.065	CCI200	STARLINE	59.8	

500 Smith & Wesson Magnum

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BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
500	HORNADY	JSP	ENFORCER	28.3	1606	2860	33.2	1766	3459	2.070	WLR	HORNADY	63.1	
500	HORNADY	JSP	H110	29.4	1694	3182	31.0	1750	3396	2.065	CCI200	STARLINE	62.5	
500	HORNADY	JSP	H110	31.0	1700	3205	33.0	1782	3522	2.065	WLRM	STARLINE	63.6	
500	HORNADY	JSP	H4227	30.0	1660	3056	32.2	1736	3342	2.065	WLRM	STARLINE	62.0	
500	HORNADY	JSP	IMR4227	29.7	1546	2651	33.0	1684	3145	2.065	CCI200	STARLINE	60.1	
500	HORNADY	JSP	LIL'GUN	25.0	1600	2839	27.7	1722	3288	2.065	CCI200	STARLINE	61.5	
500	HORNADY	JSP	LIL'GUN	27.0	1656	3041	30.0	1763	3447	2.065	WLRM	STARLINE	63.0	
500	HORNADY	JSP	N110	26.0	1608	2868	29.0	1698	3197	2.065	CCI200	STARLINE	60.6	
500	HORNADY	JSP	W296	31.0	1700	3205	33.0	1782	3522	2.065	WLRM	STARLINE	63.6	
500	HORNADY	JSP	AA 5744	26.6	1296	1863				2.070	WLR	HORNADY	46.3	REDUCED LOAD
500	HORNADY	JSP	LONGSHOT	16.0	1415	2220	18.5	1522	2569	2.065	WLRM	STARLINE	54.4	REDUCED LOAD
500	HORNADY	JSP	TITEGROUP	13.0	1320	1932	15.0	1411	2208	2.065	WLRM	STARLINE	50.4	REDUCED LOAD
500	HORNADY	JSP	UNIQUE	14.4	1332	1968	16.0	1417	2227	2.065	CCI200	STARLINE	50.6	REDUCED LOAD
500	HORNADY	JSP	AA #2	15.9	1382	2118				2.070	WLR	HORNADY	49.4	REDUCED LOAD

INDICATES COMPRESSED LOAD

500 Auto Max See 500 S&W data for additional loads

TRIM LENGTH 1.615" BULLET DIA .500" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
325	BARNES	XPB	AA #9	33.3	1986	2843	37.0	2165	3379	2.290	CCI200	STARLINE	50.3	
325	BARNES	XPB	AA 4100	38.0	1980	2826	42.0	2120	3240	2.292	WLR	HORN	49.2	
325	BARNES	XPB	CFE BLK	46.9	1840	2441	54.0	2093	3158	2.290	WLRM	STARLINE	48.6	
325	BARNES	XPB	ENFORCER	38.3	1954	2752	42.5	2138	3295	2.290	WLRM	STARLINE	49.6	
325	BARNES	XPB	H110	42.0	2113	3218	45.3	2251	3653	2.290	WLRM	STARLINE	52.3	
325	BARNES	XPB	H4227	40.0	2088	3143	43.0	2220	3553	2.290	WLRM	STARLINE	51.5	
325	BARNES	XPB	LIL'GUN	40.0	2162	3369	44.5	2302	3820	2.290	WLRM	STARLINE	53.4	
325	BARNES	XPB	LONGSHOT	22.5	1899	2600	24.5	1984	2837	2.290	WLRM	STARLINE	46.1	
325	BARNES	XPB	N110	33.7	2038	2994	37.5	2166	3382	2.290	CCI200	STARLINE	50.3	
325	BARNES	XPB	TITEGROUP	12.0	1444	1503	20	1875	2534	2.290	WLRM	STARLINE	43.5	
325	BARNES	XPB	UNIQUE	18.2	1712	2113	20.3	1825	2401	2.290	CCI200	STARLINE	42.4	
325	BARNES	XPB	W 296	42.0	2113	3218	45.3	2251	3653	2.290	WLRM	STARLINE	52.3	
375	BARNES	XPB	AA #9	29.7	1842	2822	33.0	1984	3274	2.280	CCI200	STARLINE	53.1	
375	BARNES	XPB	AA 1680	38.0	1550	1998	42.0	1750	2547	2.292	WLR	HORN	46.9	
375	BARNES	XPB	AA 4100	33.0	1775	2621	37.5	1965	3212	2.292	WLR	HORN	52.6	
375	BARNES	XPB	CFE BLK	41.6	1731	2492	49.0	1941	3134	2.290	WLRM	STARLINE	52.0	
375	BARNES	XPB	ENFORCER	33.0	1775	2621	37.5	1965	3212	2.292	WLR	HORN	52.6	
375	BARNES	XPB	H110	33.9	1899	2999	35	1945	3147	2.280	CCI200	STARLINE	52.1	
375	BARNES	XPB	H4227	33.0	1850	2847	36.8	2017	3384	2.290	WLRM	STARLINE	54.0	
375	BARNES	XPB	LIL'GUN	31.0	1905	3018	34.0	2038	3455	2.290	WLRM	STARLINE	54.6	
375	BARNES	XPB	LONGSHOT	18.0	1647	2256	21.0	1787	2656	2.290	WLRM	STARLINE	47.9	
375	BARNES	XPB	N110	29.7	1861	2881	33	1970	3228	2.280	CCI200	STARLINE	52.8	
375	BARNES	XPB	TITEGROUP	14.0	1513	1904	17.0	1675	2334	2.290	WLRM	STARLINE	44.9	
375	BARNES	XPB	UNIQUE	15.7	1539	1970	17.5	1642	2243	2.280	CCI200	STARLINE	44.0	

INDICATES COMPRESSED LOAD

500 Linebaugh

TRIM LENGTH 1.400" BULLET DIA .511" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
410		LFP	H110	34.0	1683	2576	35.5	1758	2810	1.800	CCI 350	Starline	51.5	
410		LFP	H4227	32.0	1594	2311	33.7	1669	2533	1.800	CCI 350	Starline	48.9	
410		LFP	LIL'GUN	30.0	1653	2485	32.5	1736	2741	1.800	CCI 350	Starline	50.8	
410		LFP	TITEGROUP	12.0	1341	1635	13.0	1432	1865	1.800	CCI 350	Starline	41.9	
410		LFP	TRAIL BOSS	8.5	1052	1006	10.0	1115	1131	1.800	CCI 350	Starline	32.7	
425		LFPGC	H110	31.5	1631	2508	33.0	1721	2792	1.800	CCI 350	Starline	52.2	
425		LFPGC	H4227	30.0	1544	2247	32.0	1656	2585	1.800	CCI 350	Starline	50.3	
425		LFPGC	LIL'GUN	29.5	1654	2579	31.5	1728	2815	1.800	CCI 350	Starline	52.5	
425		LFPGC	TITEGROUP	11.0	1293	1576	12.0	1364	1754	1.800	CCI 350	Starline	41.4	
425		LFPGC	TRAIL BOSS	7.5	964	876	9.5	1068	1075	1.800	CCI 350	Starline	32.4	
435	CAST PERF	WFNGC	AA #9	23.9	1492	2148	26.5	1624	2545	1.742	CCI 350	Starline	50.5	
435	CAST PERF	WFNGC	AA 4100	24.3	1489	2139	27.0	1621	2535	1.742	CCI 350	Starline	50.4	
435	CAST PERF	WFNGC	AA 5744	28.4	1418	1940	31.6	1542	2294	1.742	CCI 350	Starline	47.9	
435	CAST PERF	WFNGC	ENFORCER	24.5	1501	2174	27.2	1634	2576	1.742	CCI 350	Starline	50.8	
450	MT BALDY	LWSC	TRAIL BOSS	9.2	1059	1119	10.0	1100	1208	1.800	CCI 350	Starline	35.4	
468		LFP	H110	30.0	1598	2651	31.5	1654	2840	1.800	CCI 350	Starline	55.3	
468		LFP	H4227	28.5	1509	2364	30.5	1597	2647	1.800	CCI 350	Starline	53.4	
468		LFP	LIL'GUN	27.5	1579	2588	29.5	1643	2802	1.800	CCI 350	Starline	54.9	
468		LFP	TITEGROUP	10.0	1233	1578	11.2	1296	1743	1.800	CCI 350	Starline	43.3	
468		LFP	TRAIL BOSS	7.3	940	917	9.2	1030	1101	1.800	CCI 350	Starline	34.4	
525	CAST PERF	WFNGC	AA #9	18.2	1280	1908	20.2	1389	2247	1.793	CCI 350	Starline	52.1	
525	CAST PERF	WFNGC	AA 4100	18.9	1292	1944	21.0	1402	2289	1.793	CCI 350	Starline	52.6	
525	CAST PERF	WFNGC	AA 5744	21.6	1208	1699	24.0	1309	1995	1.793	CCI 350	Starline	49.1	
525	CAST PERF	WFNGC	ENFORCER	19.0	1302	1974	21.1	1413	2325	1.793	CCI 350	Starline	53.0	

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TRIM LENGTH 1.790" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
200	BARNES	XPB	AA #9	41.4	2468	2702	46.0	2709	3255	2.289	WLR	WINCHESTER	38.7	
200	BARNES	XPB	AA #9	41.4	2468	2702	46.0	2709	3255	2.289	WLR	HORNADY	38.7	
200	BARNES	XPB	ENFORCER	42.3	2350	2450	47.0	2578	2948	2.289	WLR	WINCHESTER	36.8	
200	BARNES	XPB	ENFORCER	42.3	2350	2450	47.0	2578	2948	2.289	WLR	HORNADY	36.8	
200	BARNES	XPB	H110	45.0	2537	2855	46.5	2615	3033	2.320	WLRM	STARLINE	37.4	
200	BARNES	XPB	H4227	41.0	2377	2506	45.5	2538	2857	2.320	WLRM	STARLINE	36.3	
200	BARNES	XPB	LONGSHOT	20.0	2052	1868	27.0	2461	2687	2.320	WLRM	STARLINE	35.2	
225	BARNES	X	H110	39.0	2345	2744	42.0	2543	3227	2.110	WLRM	STARLINE	40.9	
225	BARNES	X	H4227	37.0	2307	2656	41.0	2491	3097	2.110	WLRM	STARLINE	40.0	
225	BARNES	X	W 296	39.0	2345	2744	42.0	2543	3227	2.110	WLRM	STARLINE	40.9	
240	HORNADY	XTP	AA #9	34.0	2120	2392	38.0	2300	2816	2.188	WLR	HORNADY	39.4	
240	HORNADY	XTP	AA 1680	45.0	2013	2157	50.0	2285	2779	2.188	WLR	HORNADY	39.2	
240	HORNADY	XTP	AA 4100	36.0	2288	2787	40.2	2339	2912	2.160	WLRM	STARLINE	40.1	
240	HORNADY	XTP	AA 5744	40.0	2136	2429	44.0	2335	2902	2.188	WLR	HORNADY	40.0	
240	HORNADY	XTP	AA 5744	27.0	1530	1246		1530			WLR	HORNADY	26.2	REDUCED LOAD
240	HORNADY	XTP	ENFORCER	37.5	2237	2664	41.5	2519	3378	2.160	WLRM	STARLINE	43.2	
This is line is intentionally left blank														
240	HORNADY	XTP	H110	43.5	2546	3451	48.0	2631	3685	2.160	WLRM	STARLINE	45.1	
240	HORNADY	XTP	H4227	40.0	2318	2860	45.0	2498	3322	2.160	WLRM	STARLINE	42.8	
240	HORNADY	XTP	IMR4227	42.5	2265	2731	47.0	2411	3094	2.160	WLRM	STARLINE	41.3	
240	HORNADY	XTP	LIL'GUN	46.0	2493	3308	51.0	2568	3510	2.160	WLRM	STARLINE	44.0	
240	HORNADY	XTP	N110	39.5	2370	2990	44.0	2531	3410	2.160	WLRM	STARLINE	43.4	
240	HORNADY	XTP	W 296	45.0	2384	3025	48.5	2554	3472	2.160	WLRM	STARLINE	43.8	
250	BARNES	XPB	AA 4100	32.0	2186	2650	35.5	2355	3075	2.200	WLRM	STARLINE	42.1	
250	BARNES	XPB	ENFORCER	32.5	2193	2667	36.0	2353	3070	2.200	WLRM	STARLINE	42.0	
250	BARNES	XPB	H110	36.5	2316	2974	38.5	2423	3255	2.200	WLRM	STARLINE	43.3	
250	BARNES	XPB	IMR4227	35.5	2131	2518	39.5	2240	2782	2.200	WLRM	STARLINE	40.0	
250	BARNES	XPB	LIL'GUN	36.0	2314	2969	40.0	2357	3080	2.200	WLRM	STARLINE	42.1	
250	BARNES	XPB	N110	32.8	2202	2689	36.5	2333	3018	2.200	WLRM	STARLINE	41.7	

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TRIM LENGTH 1.790" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
255	LYMAN	LFN GC	AA 4100	27.5	1753	1738	33.0	2135	2578	2.180	WLRM	STARLINE	38.9	
255	LYMAN	LFN GC	AA 5744	34.0	1830	1894	40.0	2147	2607	2.180	WLRM	STARLINE	39.1	
255	LYMAN	LFN GC	ENFORCER	31.0	1837	1909	35.0	2124	2552	2.180	WLRM	STARLINE	38.7	
255	LYMAN	LFN GC	IMR4227	32.0	1811	1855	38.0	2088	2466	2.180	WLRM	STARLINE	38.0	
255	LYMAN	LFN GC	N110	27.0	1742	1716	31.5	2141	2593	2.180	WLRM	STARLINE	39.0	
255	LYMAN	LFN GC	TRAIL BOSS	9.0	1251	885	16.0	1486	1249	2.180	WLRM	STARLINE	27.1	
265	SWIFT	HP	H110	41.0	2232	2928	46.5	2483	3624	2.180	WLRM	STARLINE	47.0	
265	SWIFT	HP	H4227	38.0	2240	2949	43.5	2409	3411	2.180	WLRM	STARLINE	45.6	
265	SWIFT	HP	LIL'GUN	43.0	2288	3077	46.5	2418	3437	2.180	WLRM	STARLINE	45.8	
265	SWIFT	HP	W 296	41.0	2232	2928	46.5	2483	3624	2.180	WLRM	STARLINE	47.0	
275	BARNES	THIS BULLET IS NOT TO BE USED. THE BULLET TIP SITS INSIDE OF THE NEXT CARTRIDGE'S PRIMER INSIDE THE MAG TUBE.												
300	HORNADY	XTP	H110	38.0	2125	3005	42.5	2334	3625	2.160	WLRM	STARLINE	50.0	
300	HORNADY	XTP	H4227	36.0	2152	3082	40.0	2288	3483	2.160	WLRM	STARLINE	49.0	
300	HORNADY	XTP	LIL'GUN	40.0	2270	3429	44.0	2367	3728	2.160	WLRM	STARLINE	50.7	
300	HORNADY	XTP	W 296	38.0	2125	3005	42.5	2334	3625	2.160	WLRM	STARLINE	50.0	
300	SIERRA	JSP	AA #9	30.0	1920	2453	34.0	2090	2907	2.208	WLR	HORNADY	44.8	
300	SIERRA	JSP	AA 1680	40.5	1890	2377	45.0	2110	2962	2.208	WLR	HORNADY	45.2	
300	SIERRA	JSP	AA 5744	34.0	1890	2377	38.0	2085	2893	2.208	WLR	HORNADY	44.7	
300	SIERRA	JSP	AA 5744	26.0	1510	1517		1510			WLR	HORNADY	32.4	REDUCED LOAD
300	SPEER	DCHP	AA4100	31.5	2054	2807	35.0	2203	3229	2.160	WLRM	STARLINE	47.2	
300	SPEER	DCHP	ENFORCER	32.0	2055	2810	35.5	2192	3197	2.160	WLRM	STARLINE	47.0	
300	SPEER	DCHP	H110	34.0	2098	2929	38.0	2266	3417	2.160	WLRM	STARLINE	48.6	
300	SPEER	DCHP	IMR4227	36.0	2023	2723	40.0	2166	3122	2.160	WLRM	STARLINE	46.4	
300	SPEER	DCHP	N110	31.5	2052	2802	35.0	2176	3151	2.160	WLRM	STARLINE	46.6	
325	CAST PERF	LFN PB	H110	38.0	2110	3209	42.0	2253	3659	2.200	WLRM	STARLINE	52.3	
325	CAST PERF	LFN PB	H4227	34.0	2090	3149	38.0	2197	3479	2.200	WLRM	STARLINE	51.0	
325	CAST PERF	LFN PB	LIL'GUN	39.0	2143	3310	42.0	2225	3569	2.200	WLRM	STARLINE	51.7	
325	CAST PERF	LFN PB	TITEGROUP	15.0	1653	1970	17.6	1770	2258	2.200	WLRM	STARLINE	41.1	

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TRIM LENGTH 1.790" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
325	CAST PERF	LFN PB	TRAIL BOSS	7.0	1034	771	11.0	1214	1062	2.200	WLRM	STARLINE	28.2	
325	CAST PERF	LFN PB	W 296	38.0	2110	3209	42.0	2253	3659	2.200	WLRM	STARLINE	52.3	
325	LYMAN	LFN GC	AA 4100	27.5	1783	2292	33.0	2100	3179	2.180	WLRM	STARLINE	48.8	
325	LYMAN	LFN GC	ENFORCER	28.0	1794	2320	33.5	2094	3161	2.180	WLRM	STARLINE	48.6	
325	LYMAN	LFN GC	H110	29.5	1798	2330	35.0	2112	3215	2.180	WLRM	STARLINE	49.0	
325	LYMAN	LFN GC	IMR4227	31.0	1802	2341	39.0	2114	3221	2.180	WLRM	STARLINE	49.1	
325	LYMAN	LFN GC	N110	26.0	1817	2380	33.5	2094	3161	2.180	WLRM	STARLINE	48.6	
325	LYMAN	LFN GC	TRAIL BOSS	8.2	1124	911	11.0	1268	1159	2.180	WLRM	STARLINE	29.4	
325	SWIFT	HP	H110	35.0	2049	3026	39.0	2207	3511	2.175	WLRM	STARLINE	51.2	
325	SWIFT	HP	H4198	37.0	1856	2483	41.0	1995	2869	2.175	WLRM	STARLINE	46.3	
325	SWIFT	HP	H4227	33.0	2016	2930	37.0	2159	3360	2.175	WLRM	STARLINE	50.1	
325	SWIFT	HP	LIL'GUN	36.0	2069	3086	41.0	2255	3666	2.175	WLRM	STARLINE	52.3	
325	SWIFT	HP	W 296	35.0	2049	3026	39.0	2207	3511	2.175	WLRM	STARLINE	51.2	
335	CAST PERF	WLN GC	AA #9	28.0	1810	2434	31.5	1960	2854	2.181	WLR	HORNADY	46.9	
335	CAST PERF	WLN GC	AA 1680	38.0	1800	2407	42.0	1984	2925	2.181	WLR	HORNADY	47.5	
335	CAST PERF	WLN GC	AA 4100	31.0	1820	2461	34.5	1975	2898	2.181	WLR	HORNADY	47.3	
335	CAST PERF	WLN GC	AA 5744	32.0	1800	2407	36.5	2010	3002	2.181	WLR	HORNADY	48.1	
335	CAST PERF	WLN GC	AA 5744	25.5	1500	1672	25.5	1500	1672	2.181	WLR	HORNADY	35.9	REDUCED LOAD
335	CAST PERF	WLN GC	H110	38.0	2090	3246	41.0	2217	3652	2.180	WLRM	STARLINE	53.0	
335	CAST PERF	WLN GC	H4227	33.0	2019	3029	37.5	2149	3431	2.180	WLRM	STARLINE	51.4	
335	CAST PERF	WLN GC	LIL'GUN	39.0	2134	3384	41.5	2219	3659	2.180	WLRM	STARLINE	53.1	
335	CAST PERF	WLN GC	TITEGROUP	15.0	1633	1981	17.5	1746	2265	2.180	WLRM	STARLINE	41.8	
335	CAST PERF	WLN GC	TRAIL BOSS	7.0	1026	782	10.0	1187	1047	2.180	WLRM	STARLINE	28.4	
335	CAST PERF	WLN GC	W 296	38.0	2090	3246	41.0	2217	3652	2.180	WLRM	STARLINE	53.0	
360	CAST PERF	WLN GC	AA #9	27.0	1750	2445	30.0	1880	2822	2.199	WLR	HORNADY	48.3	
360	CAST PERF	WLN GC	AA 1680	36.0	1700	2308	39.5	1900	2883	2.199	WLR	HORNADY	48.9	
360	CAST PERF	WLN GC	AA 4100	29.7	1750	2445	33.0	1895	2867	2.199	WLR	HORNADY	48.7	
360	CAST PERF	WLN GC	AA 5744	31.5	1780	2530	35.0	1940	3005	2.199	WLR	HORNADY	49.9	
360	CAST PERF	WLN GC	AA 5744	26.0	1520	1845		1520			WLR	HORNADY	39.1	REDUCED LOAD

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TRIM LENGTH 1.790" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
360	CAST PERF	WLN GC	H110	35.0	2013	3236	38.0	2136	3643	2.190	WLRM	STARLINE	54.9	
360	CAST PERF	WLN GC	H4198	37.0	1831	2677	40.0	1944	3018	2.190	WLRM	STARLINE	50.0	
360	CAST PERF	WLN GC	H4227	31.0	1932	2980	35.5	2076	3441	2.190	WLRM	STARLINE	53.4	
360	CAST PERF	WLN GC	LIL'GUN	36.0	2052	3362	40.0	2182	3802	2.190	WLRM	STARLINE	56.1	
360	CAST PERF	WLN GC	TITEGROUP	13.0	1508	1816	15.6	1640	2148	2.190	WLRM	STARLINE	42.2	
360	CAST PERF	WLN GC	TRAIL BOSS	7.0	1012	818	9.0	1127	1014	2.190	WLRM	STARLINE	29.0	
360	CAST PERF	WLN GC	W 296	35.0	2013	3236	38.0	2136	3643	2.190	WLRM	STARLINE	54.9	
395	CAST PERF	WLN GC	H110	30.0	1853	3008	34.0	1993	3480	2.185	WLRM	STARLINE	56.2	
395	CAST PERF	WLN GC	H4198	35.0	1784	2788	38.0	1896	3149	2.185	WLRM	STARLINE	53.5	
395	CAST PERF	WLN GC	H4227	28.0	1816	2889	32.0	1947	3321	2.185	WLRM	STARLINE	54.9	
395	CAST PERF	WLN GC	LIL'GUN	33.0	1965	3383	36.8	2096	3849	2.185	WLRM	STARLINE	59.1	
395	CAST PERF	WLN GC	TITEGROUP	12.0	1438	1812	14.6	1555	2118	2.185	WLRM	STARLINE	43.9	
395	CAST PERF	WLN GC	TRAIL BOSS	7.0	995	867	8.0	1054	973	2.185	WLRM	STARLINE	29.7	
395	CAST PERF	WLN GC	W 296	30.0	1853	3008	34.0	1993	3480	2.185	WLRM	STARLINE	56.2	

INDICATES COMPRESSED LOAD

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TRIM LENGTH 1.378" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
185	HORNADY	XTP	3N37	17.6	2042	1711	21.0	2229	2039	1.642	WSR	STARLINE	29.5	
185	HORNADY	XTP	N105	26.5	2288	2148	29.3	2442	2447	1.642	WSR	STARLINE	32.3	
185	HORNADY	XTP	N350	18.2	2062	1745	21.4	2246	2070	1.642	WSR	STARLINE	29.7	
225	LYMAN	LFNGC	2400	25.6	1780	1581	27.0	1831	1673	1.760	CCI 450	WINCHESTER	29.4	
225	LYMAN	LFNGC	AA #9	25.7	1806	1628	27.1	1902	1805	1.760	CCI 450	WINCHESTER	30.6	
225	LYMAN	LFNGC	AA 1680	33.2	1417	1002	35.0	1636	1336	1.760	CCI 450	WINCHESTER	26.3	
225	LYMAN	LFNGC	ENFORCER	28.9	1814	1642	30.5	1896	1794	1.760	CCI 450	WINCHESTER	30.5	
225	LYMAN	LFNGC	H110	33.9	1887	1777	35.0	1953	1903	1.760	CCI 450	WINCHESTER	31.4	
225	LYMAN	LFNGC	IMR4227	29.4	1700	1442	31.0	1783	1587	1.760	CCI 450	WINCHESTER	28.7	
225	LYMAN	LFNGC	N110	26.3	1831	1673	27.7	1875	1754	1.760	CCI 450	WINCHESTER	30.1	
225	LYMAN	LFNGC	UNIQUE	14.7	1644	1349	15.5	1687	1420	1.760	CCI 450	WINCHESTER	27.1	
225	LYMAN	LFNGC	W296	33.4	1911	1822	34.5	1960	1917	1.760	CCI 450	WINCHESTER	31.5	
240	HORNADY	XTP	AA #9	27.5	1946	2016	29.0	2032	2198	1.745	CCI 450	WINCHESTER	34.8	
240	HORNADY	XTP	AA 1680	36.0	1705	1547	38.0	1804	1732	1.745	CCI 450	WINCHESTER	30.9	
240	HORNADY	XTP	ENFORCER	31.8	1928	1979	33.5	2002	2134	1.745	CCI 450	WINCHESTER	34.3	
240	HORNADY	XTP	IMR4227	32.3	1827	1777	34.0	1906	1934	1.745	CCI 450	WINCHESTER	32.7	
240	HORNADY	XTP	N110	26.8	1851	1824	28.3	1921	1964	1.745	CCI 450	WINCHESTER	32.9	
240	HORNADY	XTP	UNIQUE	14.8	1672	1488	15.6	1731	1595	1.745	CCI 450	WINCHESTER	29.7	
240	HORNADY	XTP	W296	36.1	1995	2119	38.0	2088	2321	1.745	CCI 450	WINCHESTER	35.8	
240	SIERRA	JHC	AA #9	28.8	1978	2083	32.0	2184	2539	1.685	CCI 400	HORNADY	37.4	
240	SIERRA	JHC	AA 1680	32.4	1798	1721	36.0	2002	2134	1.705	CCI 400	HORNADY	34.3	
240	SIERRA	JHC	AA 4100	28.6	1939	2001	31.8	2122	2397	1.735	CCI 400	HORNADY	36.4	
240	SIERRA	JHC	AA 5744	27.9	1663	1472	31.0	1784	1694	1.685	CCI 400	HORNADY	30.6	
240	SIERRA	JHC	ENFORCER	28.8	1956	2037	32.0	2140	2438	1.735	CCI 400	HORNADY	36.7	
240	SIERRA	JHC	HS-6	15.5	1660	1467	17.5	1808	1740	1.680	WSR	STARLINE	31.0	
240	SIERRA	JHC	LONGSHOT	14.0	1675	1493	16.0	1841	1804	1.680	WSR	STARLINE	31.6	
240	SIERRA	JHC	TITEGROUP	10.0	1514	1220	11.0	1609	1378	1.680	WSR	STARLINE	27.6	
240	SIERRA	JHC	TRUE BLUE	19.8	1795	1715	22.0	1962	2049	1.765	CCI 400	HORNADY	33.6	
240	SIERRA	JHC	UNIVERSAL	10.2	1512	1217	11.5	1625	1406	1.680	WSR	STARLINE	27.9	

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TRIM LENGTH 1.378" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
250	BARNES	XPB	2400	24.7	1861	1920	26.0	1918	2040	1.770	CCI 450	WINCHESTER	34.3	
250	BARNES	XPB	AA #7	19.6	1817	1831	21.8	1986	2187	1.780	WSR	WINCHESTER	35.5	
250	BARNES	XPB	AA #7	19.6	1817	1831	21.8	1986	2187	1.780	CCI 400	HORNADY	35.5	
250	BARNES	XPB	AA #9	24.2	1820	1837	25.5	1913	2029	1.770	CCI 450	WINCHESTER	34.2	
250	BARNES	XPB	AA 1680	30.3	1437	1145	32.0	1576	1377	1.770	CCI 450	WINCHESTER	28.1	
250	BARNES	XPB	ENFORCER	26.6	1876	1951	28.0	1950	2108	1.770	CCI 450	WINCHESTER	34.8	
250	BARNES	XPB	IMR4227	28.5	1625	1464	30.0	1748	1694	1.770	CCI 450	WINCHESTER	31.2	
250	BARNES	XPB	N110	26.6	1888	1977	28.0	1915	2033	1.770	CCI 450	WINCHESTER	34.2	
250	BARNES	XPB	W296	31.0	1906	2014	32.0	1954	2117	1.770	CCI 450	WINCHESTER	34.9	
250	HORNADY	XTP	3N37	15.6	1734	1667	18.2	1898	1998	1.685	WSR	STARLINE	33.9	
250	HORNADY	XTP	AA 1680	33.3	1847	1892	37.0	2058	2349	1.700	CCI 400	HORNADY	36.8	
250	HORNADY	XTP	N105	21.4	1878	1956	24.2	2059	2351	1.685	WSR	STARLINE	36.8	
250	HORNADY	XTP	N110	28.1	2016	2254	30.7	2167	2604	1.685	WSR	STARLINE	38.7	
250	NOSLER	JHP	HS-6	15.0	1595	1411	17.0	1728	1656	1.700	WSR	STARLINE	30.9	
250	NOSLER	JHP	LONGSHOT	14.5	1677	1559	15.5	1792	1781	1.700	WSR	STARLINE	32.0	
250	NOSLER	JHP	TITEGROUP	9.7	1493	1236	11.2	1598	1416	1.700	WSR	STARLINE	28.5	
250	NOSLER	JHP	UNIVERSAL	10.8	1521	1283	12.0	1590	1402	1.700	WSR	STARLINE	28.4	
250	OREGON	RNFP	AA 5744	26.1	1647	1504	29.0	1831	1859	1.750	CCI 400	HORNADY	32.7	
255	OREGON	SWC	AA 5744	25.2	1615	1475	28.0	1800	1833	1.705	CCI 400	HORNADY	32.8	
260	SPEER	JHP	HS-6	14.5	1552	1389	16.8	1720	1706	1.675	WSR	STARLINE	31.9	
260	SPEER	JHP	LONGSHOT	14.0	1653	1576	15.0	1743	1752	1.675	WSR	STARLINE	32.4	
260	SPEER	JHP	TITEGROUP	9.5	1459	1228	11.0	1570	1421	1.675	WSR	STARLINE	29.2	
260	SPEER	JHP	UNIVERSAL	10.3	1457	1224	11.5	1545	1377	1.675	WSR	STARLINE	28.7	
265	CAST PERF	LFPGC	TRAIL BOSS	7.0	1136	759	9.0	1284	969	1.700	WSR	STARLINE	24.3	
265	CAST PERF	WFNGC	TRUE BLUE	18.5	1709	1717	20.5	1865	2044	1.670	CCI 400	HORNADY	35.3	
300	CAST PERF	LFNGC	TRAIL BOSS	6.5	1067	758	8.0	1165	903	1.800	WSR	STARLINE	25.0	
300	HORNADY	XTP	2400	23.7	1632	1772	25.0	1764	2071	1.745	CCI 450	WINCHESTER	37.8	
300	HORNADY	XTP	AA #9	24.8	1794	2142	27.5	1991	2638	1.740	CCI 400	HORNADY	42.7	
300	HORNADY	XTP	AA #9	24.6	1767	2078	25.9	1820	2204	1.745	CCI 450	WINCHESTER	39.0	

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TRIM LENGTH 1.378" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
300	HORNADY	XTP	AA 1680	30.2	1703	1930	33.5	1894	2387	1.765	CCI 400	HORNADY	40.6	
300	HORNADY	XTP	AA 1680	30.8	1447	1393	32.5	1580	1661	1.745	CCI 450	WINCHESTER	33.9	
300	HORNADY	XTP	AA 5744	23.4	1434	1368	26.0	1575	1651	1.740	CCI 400	HORNADY	33.8	
300	HORNADY	XTP	ENFORCER	24.4	1553	1605	25.7	1658	1829	1.745	CCI 450	WINCHESTER	35.5	
300	HORNADY	XTP	H110	27.8	1757	2054	28.7	1776	2099	1.745	CCI 450	WINCHESTER	38.1	
300	HORNADY	XTP	IMR4227	27.5	1560	1619	29.0	1724	1978	1.745	CCI 450	WINCHESTER	36.9	
300	HORNADY	XTP	N110	23.3	1623	1753	24.6	1737	2008	1.745	CCI 450	WINCHESTER	37.2	
300	HORNADY	XTP	TRUE BLUE	16.7	1578	1657	18.5	1720	1969	1.760	CCI 400	HORNADY	36.9	
300	HORNADY	XTP	W296	27.1	1692	1905	28.0	1732	1996	1.745	CCI 450	WINCHESTER	37.1	
300	MONTANA	WPFB	AA 5744	24.3	1560	1619	27.0	1732	1996	1.690	CCI 400	HORNADY	37.1	
300	OREGON	FP	AA 1680	27.0	1529	1556	30.0	1697	1916	1.690	CCI 400	HORNADY	36.4	
300	SPEER	DCHP	3N37	15.3	1599	1701	17.0	1721	1971	1.752	WSR	STARLINE	36.9	
300	SPEER	DCHP	N105	19.8	1714	1955	23.0	1888	2372	1.752	WSR	STARLINE	40.5	
300	SPEER	DCHP	N110	26.4	1855	2290	28.7	1986	2624	1.752	WSR	STARLINE	42.6	
325	CAST PERF	LFNPB	H110	25.2	1645	1951	26.0	1811	2364	1.760	WSR	STARLINE	42.0	
325	CAST PERF	LFNPB	H4227	24.7	1689	2056	25.5	1752	2213	1.760	WSR	STARLINE	40.7	
325	CAST PERF	LFNPB	LIL'GUN	23.2	1768	2253	24.0	1826	2404	1.760	WSR	STARLINE	42.4	
325	CAST PERF	LFNPB	TRAIL BOSS	5.0	936	632	7.0	1098	869	1.760	WSR	STARLINE	25.5	
325	CAST PERF	LFNPB	W296	25.2	1645	1951	26.0	1811	2364	1.760	WSR	STARLINE	42.0	
325	LYMAN	LFNGC	2400	19.8	1488	1596	22.0	1616	1882	1.755	CCI 450	WINCHESTER	37.5	
325	LYMAN	LFNGC	AA #9	20.2	1532	1692	22.5	1660	1986	1.755	CCI 450	WINCHESTER	38.5	
325	LYMAN	LFNGC	AA 1680	27.9	1447	1509	31.0	1570	1777	1.755	CCI 450	WINCHESTER	36.4	
325	LYMAN	LFNGC	ENFORCER	21.8	1537	1703	24.3	1635	1927	1.755	CCI 450	WINCHESTER	38.0	
325	LYMAN	LFNGC	H110	25.4	1607	1862	26.2	1663	1994	1.755	CCI 450	WINCHESTER	38.6	
325	LYMAN	LFNGC	IMR4227	23.8	1476	1570	26.5	1645	1951	1.755	CCI 450	WINCHESTER	38.2	
325	LYMAN	LFNGC	N110	20.4	1542	1714	22.7	1668	2006	1.755	CCI 450	WINCHESTER	38.7	
325	LYMAN	LFNGC	UNIQUE	11.3	1403	1419	12.6	1481	1581	1.755	CCI 450	WINCHESTER	34.4	
325	LYMAN	LFNGC	W296	23.7	1577	1793	24.5	1638	1934	1.755	CCI 450	WINCHESTER	38.0	
325	SWIFT	HP	H110	23.0	1679	2032	26.0	1845	2454	1.750	WSR	STARLINE	42.8	

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TRIM LENGTH 1.378" BULLET DIA .451-.452" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
325	SWIFT	HP	H4227	23.0	1623	1899	25.5	1760	2233	1.750	WSR	STARLINE	40.9	
325	SWIFT	HP	LIL'GUN	21.0	1695	2071	24.0	1858	2488	1.750	WSR	STARLINE	43.1	
325	SWIFT	HP	W296	23.0	1679	2032	26.0	1845	2454	1.750	WSR	STARLINE	42.8	
335	CAST PERF	WLNGC	AA 4100	23.2	1663	2055	25.8	1815	2448	1.760	CCI 400	HORNADY	43.4	
335	CAST PERF	WLNGC	ENFORCER	23.4	1677	2090	26.0	1830	2488	1.760	CCI 400	HORNADY	43.8	
335	CAST PERF	WLNGC	H110	23.0	1621	1952	26.0	1831	2491	1.770	WSR	STARLINE	43.8	
335	CAST PERF	WLNGC	H4227	23.0	1606	1916	25.5	1760	2302	1.770	WSR	STARLINE	42.1	
335	CAST PERF	WLNGC	LIL'GUN	21.0	1677	2090	24.0	1817	2453	1.770	WSR	STARLINE	43.5	
335	CAST PERF	WLNGC	TRAIL BOSS	4.8	918	626	6.8	1078	863	1.770	WSR	STARLINE	25.8	
335	CAST PERF	WLNGC	TRUE BLUE	16.2	1556	1799	18.0	1695	2135	1.735	CCI 400	HORNADY	40.6	
335	CAST PERF	LFNGC	W296	23.0	1621	1952	26.0	1831	2491	1.770	WSR	STARLINE	43.8	
360	CAST PERF	LFNGC	H110	21.0	1565	1956	24.0	1747	2437	1.760	WSR	STARLINE	44.9	
360	CAST PERF	LFNGC	H4227	21.0	1505	1809	24.0	1706	2324	1.760	WSR	STARLINE	43.9	
360	CAST PERF	LFNGC	LIL'GUN	20.0	1630	2121	23.0	1777	2521	1.760	WSR	STARLINE	45.7	
360	CAST PERF	LFNGC	TRAIL BOSS	5.0	915	669	6.0	999	797	1.760	WSR	STARLINE	25.7	
360	CAST PERF	WLNGC	TRUE BLUE	12.5	1375	1510	16.0	1562	1948	1.770	CCI 400	HORNADY	40.2	
360	CAST PERF	LFNGC	W296	21.0	1565	1956	24.0	1747	2437	1.760	WSR	STARLINE	44.9	
395	CAST PERF	WLNGC	AA 4100	19.7	1481	1922	21.8	1612	2277	1.770	CCI 400	HORNADY	45.5	
395	CAST PERF	WLNGC	ENFORCER	19.8	1493	1953	22.0	1625	2313	1.770	CCI 400	HORNADY	45.8	
395	CAST PERF	LFNGC	H110	18.5	1469	1891	21.0	1609	2268	1.770	WSR	STARLINE	45.4	
395	CAST PERF	LFNGC	H4227	18.0	1376	1659	21.0	1569	2157	1.770	WSR	STARLINE	44.3	
395	CAST PERF	LFNGC	LIL'GUN	17.5	1512	2003	20.0	1631	2331	1.770	WSR	STARLINE	46.0	
395	CAST PERF	LFNGC	TRAIL BOSS	4.0	819	588	5.0	907	721	1.770	WSR	STARLINE	25.6	
395	CAST PERF	LFNGC	W296	18.5	1469	1891	21.0	1609	2268	1.770	WSR	STARLINE	45.4	

INDICATES COMPRESSED LOAD

475 LINEBAUGH

TRIM LENGTH 1.395" BULLET DIA .475" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
275	BARNES	XPB	2400	24.0	1749	1866	26.7	1749	1866	1.810	CCI350	HORNADY	34.4	
275	BARNES	XPB	AA #9	27.9	1859	2108	31.0	2032	2518	1.814	WLP	STARLINE	39.9	
275	BARNES	XPB	AA 4100	27.0	1828	2038	30.0	1828	2038	1.810	CCI350	HORNADY	35.9	
275	BARNES	XPB	ENFORCER	26.5	1805	1987	29.5	1805	1987	1.810	CCI350	HORNADY	35.5	
275	BARNES	XPB	H110	31.5	1943	2303	32.5	1943	2303	1.810	CCI350	HORNADY	38.2	
275	BARNES	XPB	H4227	29.0	1771	1913	32.3	1771	1913	1.810	CCI350	HORNADY	34.8	
275	BARNES	XPB	LIL'GUN	27.8	1863	2117	30.9	1863	2117	1.810	CCI350	HORNADY	36.6	
275	BARNES	XPB	N110	26.1	1847	2081	29.0	1847	2081	1.810	CCI350	HORNADY	36.3	
275	BARNES	XPB	W296	32.0	1997	2432	33.0	1997	2432	1.810	CCI350	HORNADY	39.2	
325	HORNADY	XTP	2400	24.3	1699	2081	27.0	1699	2081	1.740	CCI350	HORNADY	39.4	
325	HORNADY	XTP	AA #9	27.0	1730	2157	30.0	1889	2572	1.739	WLP	STARLINE	43.9	
325	HORNADY	XTP	AA 4100	28.6	1810	2362	31.8	1978	2820	1.753	WLP	STARLINE	45.9	
325	HORNADY	XTP	ENFORCER	28.8	1826	2404	32.0	1995	2869	1.753	WLP	STARLINE	46.3	
325	HORNADY	XTP	H110	31.0	1780	2284	33.5	1926	2674	1.740	WLP	HORNADY	44.7	
325	HORNADY	XTP	H4227	28.3	1717	2125	31.5	1717	2125	1.740	CCI350	HORNADY	39.9	
325	HORNADY	XTP	LIL'GUN	27.0	1727	2150	32.0	1929	2682	1.740	WLP	HORNADY	44.8	
325	HORNADY	XTP	N110	25.2	1737	2175	28.0	1737	2175	1.740	CCI350	HORNADY	40.3	
325	HORNADY	XTP	TITEGROUP	8.0	1144	943	12.0	1488	1596	1.740	WLP	HORNADY	34.5	
325	HORNADY	XTP	W296	31.2	1892	2580	32.2	1892	2580	1.740	CCI350	HORNADY	43.9	
375	CAST PERF	LFNGC	AA #9	23.9	1656	2281	26.5	1807	2716	1.740	WLP	STARLINE	48.4	
375	CAST PERF	LFNGC	AA 4100	24.8	1663	2300	27.6	1815	2740	1.725	WLP	STARLINE	48.6	
375	CAST PERF	LFNGC	AA 5744	23.4	1386	1598		1386	1598	1.725	WLP	STARLINE	37.1	REDUCED LOAD
375	CAST PERF	LFNGC	ENFORCER	25.0	1677	2339	27.8	1830	2785	1.725	WLP	STARLINE	49.0	
405	MT BALDY	KSPB	AA #9	21.4	1558	2180	23.8	1698	2590	1.821	WLP	STARLINE	49.1	
405	MT BALDY	KSPB	AA 4100	23.0	1579	2240	25.5	1722	2664	1.821	WLP	STARLINE	49.8	
405	MT BALDY	KSPB	ENFORCER	23.1	1592	2277	25.7	1736	2707	1.821	WLP	STARLINE	50.2	
410	CAST PERF	WFNGC	AA #9	21.4	1553	2193	23.8	1692	2603	1.739	WLP	STARLINE	49.6	
410	CAST PERF	WFNGC	AA 4100	22.7	1563	2222	25.2	1704	2640	1.747	WLP	STARLINE	49.9	

475 LINEBAUGH

TRIM LENGTH 1.395" BULLET DIA .475" 18" BARREL

BULLET WT	BULLET MFGR	BULLET TYPE	POWDER	START LOAD	START VEL	START ME	MAX LOAD	MAX VEL	MAX ME	COL	PRIMER	CASE MFGR	MAX TKO	NOTES
410	CAST PERF	WFNGC	ENFORCER	22.9	1576	2259	25.4	1718	2684	1.747	WLP	STARLINE	50.3	
420	CAST PERF	LFNGC	AA #9	20.9	1528	2175	23.2	1664	2579	1.808	WLP	STARLINE	49.9	
425	CAST PERF	LFNGC	AA #9	18.9	1434	1938	21.0	1560	2294	1.731	WLP	STARLINE	47.4	
425	CAST PERF	LFNGC	AA 4100	20.6	1499	2118	22.9	1633	2514	1.730	WLP	STARLINE	49.6	
425	CAST PERF	LFNGC	ENFORCER	20.8	1511	2152	23.1	1646	2554	1.730	WLP	STARLINE	50.0	
425	CAST PERF	LFNGC	AA 5744	18.0	1189	1333		1189	1333	1.730	WLP	STARLINE	36.1	REDUCED LOAD

INDICATES COMPRESSED LOAD