

Date	Bullet	Powder	Primer	High	Low	ES	Average	Comments
Data Current		3/26/13						
SPECIAL NOTE:								
These loads have proven safe in MY RIFLES, and the rifles I have worked with. However, this does not mean they will be safe in YOUR RIFLE. As always approach upper limits with caution. This load data is for you to use wisely and safely, always start low and work up and do not exceed nor interchange data between rifles!								
DO NOT START WITH MAXIMUM LOADS IN YOUR RIFLE----START AT LEAST 10% BELOW MAX AND WORK YOUR WAY UP WITH EXTREME CAUTION								
Powder from one keg to the next can be different, your powder may not be the same as mine! Proceed in a safe manner Drop the loads listed below and work up								
Pressures listed below, along with velocity and other factors were correct and safe in this rifle, this day, with this keg of powder, primers, case, and bullet. Change in components, even within the same Lot# can and will give different results, use this information in a safe manner and beware of the many factors involved when changing components! This information is provided to you as a guideline and I assume no liability or responsibility for it's use.								
Because I have no control over the individual loading practices and or components used, the user of this data releases the Author, writer, designer, creator of this data from any and all liability arising out of the use of the data or information provided in this document. The Author, or creators of this data makes no representations or warranties either express or implied with the information in this data. The user of this data provided in this document assumes any and all risks associated with using said information.								
500 Nitro	Load Data		Rifle--Sabatti Double Rifle	24 Inch	Barrels			Assumed 1:15 Twist Rate
You MUST approach this Data with EXTREME CAUTION. Your Rifle, Powder, Primer, and brass may have major differences than what was tested here. This must be taken into account and used wisely. Use all common methods to keep up with, and stay under max Pressures. Start Well Below listed data and work up in your rifle.								
Below I was able to do some case measurements, these may or may not work in your individual rifle because of variance in chambers, however this may give you another tool in which to work with. These measurements were taken with the Sabatti and Hornady Brass.... Your rifle may be different, and your brass may be different.								
500 Nitro	Hornady Brass	Measurements	.335 to .350	up	from bottom of	the Rim		
This is where the brass starts to expand.								
Pressure	Amount of Increase in Case Size From FIRED RESIZED BRASS							
23982 PSI--29441 PSI	+ .001							
35247 PSI--37863 PSI	+ .0015							
39201 PSI--40500 PSI	+ .002							
41447 PSI--44000 PSI	+ .0025							
44500 PSI--45007 PSI	+ .003							
Factory Ammo Tests---FYI								
1/31/12	570 Hornady DGS	Factory Ammo		1991	1990	1	1991	42735 PSI
1/31/12	570 Woodleigh	FMJ Norma PH	Ammo	0	0	0	2102	34768 PSI
SPECIAL NOTE: Extreme Spread between 2 traces 38043 PSI---31493 PSI--Retest Required								
2/10/12	570 Woodleigh	FMJ Norma PH	Ammo	1956	1913	43	1934	33809 pSI
SPECIAL NOTE: Extreme Spread between 2 traces 36000 PSI---31000 PSI--								
2/10/12	570 Soft Kynoch	Factory Ammo		2002	1969	33	1986	42224 PSI
2/21/12	570 Soft Kynoch	Factory Ammo		0	0	0	1991	44469 PSI
2/21/12	570 A Square	Factory Lion Load		1915	1887	28	1901	38348 PSI
2/21/12	570 A Square	Factory Lion Load		1935	1924	11	1930	39474 PSI
2/21/12	570 Original	Kynoch Cordite	Factory	2024	2005	20	2015	44119 PSI
525 BBW#13 Copper 2 Band Cup Point EXP								
1/31/12	525 #13 CP	106/IMR 4350	Fed 215	0	0	0	2002	37434 PSI
535 BBW#13 NonCon HP								
1/31/12	535 #13 HP	113/WW 760	Fed 215	2084	2060	24	2074	36028 PSI
1/24/12	535 BBW#13	106/IMR 4350	Fed 215	2085	2037	47	2061	41070 PSI

3/19/2013--3/23/2013 Data Using Pressure Trace 1 and 2 Units.....										Sabatti	500 NE 24 Inch Barrels
Below PT 1 was used With Sam's Keg of RL 15 and Jamison Brass											
570 BBW#13 Solid											
3/19/13	570 #13 Solid	97/RL 15	Fed 215	2060	2055	6	2058	40958	PSI		
This Same Load Tested Below on 1/31/2012											
1/31/12	570 BBW#13	97/RL 15	Fed 215	2052	2025	27	2038	40288	PSI		
3/19/13	570 #13 Solid	99/RL 15	Fed 215	2102	2098	4	2100.3	43087	PSI		
3/19/13	570 #13 Solid	100/RL 15	Fed 215	0	0	0	2116	46177	PSI		
As you can see from the above load, going to 100/RL15 gave no significant increase in velocity											
510 BBW#13 Solid											
3/19/13	510 #13 Solid	108/RL 15	Fed 215	0	0	0	2197	39369	PSI		
3/19/13	510 #13 Solid	112/RL 15	Fed 215	2345	2329	16	2337	47427	PSI		
475 BBW#13 NonCon HP											
3/19/13	475#13 HP	109/RL 15	Fed 215	2222	2217	5	2220	36663	PSI		
350 BBW#13 NonCon HP											
3/19/13	350 #13 HP	115/RL 15	Fed 215	2524	2519	5	2522	35820	PSI		
3/19/2013 Pressure Trace 2 Data.....											
Below Data was taken using Pressure Trace 2 After it was Calibrated to PT 1											
This load Used Sam's RL 15 and Jamison Brass											
3/19/13	570 #13 Solid	97/RL 15	Fed 215	0	0	0	2049	40384	PSI		
This load Used Sam's RL 15 and Hornady Brass											
3/22/13	570 #13 Solid	97/RL 15	Fed 215	2003	1957	47	1980	35247	PSI--HornBrass	+ .002	
All Data Below Used MDM RL 15---- New 12 lb Blended Same Lot Number as Sam's RL 15											
570 BBW#13 Solid											
3/19/13	570 #13 Solid	97/RL 15	Fed 215	2031	2014	17	2023	37397	PSI-- Jamison Brass		
3/19/13	570 #13 Solid	97/RL 15	Fed 215	1922	1916	6	1919	30516	PSI-- Hornady Brass		
3/19/13	570 #13 Solid	97/RL 15	Fed 215	1923	1918	5	1920	30301	PSI-- Federal Brass		
3/19/13	570 #13 Solid	97/RL 15	Fed 215	2032	2026	6	2029	39416	PSI-- Bell 47ONE Brass		
3/19/13	570 #13 Solid	102/RL 15	Fed 215	0	0	0	2099	41052	PSI-- Hornady Brass		
3/22/13	570 #13 Solid	103/RL 15	Fed 215	2096	2081	15	2090	39631	PSI--HornBrass	+ .002	
3/22/13	570 #13 Solid	103/IMR 4007	Fed 215	2060	2026	34	2043	42844	PSI--HornBrass	+ .0025	
				44241	41447						
				+ .003	+ .0025						
3/23/13	570 #13 Solid	104/IMR 4007	Fed 215	2074	2057	16	2065	44444	PSI--HornBrass	+ .0025	
3/22/13	570 #13 Solid	80/IMR 4064	Fed 215	1676	1647	30	1661	23982	PSI--HornBrass	+ .001	
3/23/13	570 #13 Solid	83/IMR 4064	Fed 215	0	0	0	1771	29441	PSI--HornBrass	+ .001	
3/23/13	570 #13 Solid	86/IMR 4064	Fed 215	1882.9	1882.5	0.4	1882.7	35211	PSI--HornBrass	+ .0015	
3/23/13	570 #13 Solid	89/IMR 4064	Fed 215	1995	1987	8	1991	41773	PSI--HornBrass	+ .002	
3/23/13	570 #13 Solid	91/IMR 4064	Fed 215	2043	2033	10	2038	44237	PSI--HornBrass	+ .0025	

3/25/13	570 #13 Solid	95/RL 19	Fed 215	1529	1527	2	1528	22053	PSI--HornBrass	
It is doubtful that enough powder and pressure can be developed to get the 570 up to velocity? Nice load however and may try to work up more data later.										
3/25/13	570 #13 Solid	95/RL 22	Fed 215	1520	1486	34	1503	22455	PSI--HornBrass	
Same as RL 19 Applies here.										
3/25/13	570 #13 Solid	80/IMR 8208	Fed 215	0	0	0	1755	26944	PSI--HornBrass	
3/25/13	570 #13 Solid	85/IMR 8208	Fed 215	1935	1924	11	1930	36919	PSI--HornBrass	
3/25/13	570 #13 Solid	88/IMR 8208	Fed 215	2058	2032	26	2045	44435	PSI--HornBrass	
Powder Blending Test #1 65% IMR 8208 + 35% RL 15-- 3262013										
3/26/13	570 #13	85/Blend	Fed 215	0	0	0	1856	No Data..... Software Issue		PT 2
3/26/13	570 #13	85/Blend	Fed 215	1844	1840	3	1842	27757	PSI---	PT 1
3/26/13	570 #13	88/Blend	Fed 215	1967	1962	5	1964	35586	PSI---	PT 1
3/26/13	570 #13	90/Blend	Fed 215	2062	2058	4	2060	44839	PSI---	PT 1
570 Hornady DGS										
3/19/13	570 HornDGS	97/RL 15	Fed 215	1916	1901	15	1908	33073	PSI--	Hornady Brass
3/19/13	570 HornDGS	99/RL 15	Fed 215	2019	1985	34	2002	37958	PSI--	Hornady Brass
535 BBW#13 NonCon HP										
3/19/13	535 #13 HP	102/RL 15	Fed 215	2171	2170	1	2171	42077	PSI--	Jamison Brass
3/19/13	535 #13 HP	104/RL 15	Fed 215	2222	2214	8	2218	45273	PSI--	Jamison Brass
510 BBW#13 Solid										
3/19/13	510 #13 Solid	108/RL 15	Fed 215	2173	2160	13	2166	36173	PSI--	Hornady Brass
3/19/13	510 #13 Solid	108/RL 15	Fed 215	2174	2161	13	2168	36573	PSI--	Federal Brass
3/19/13	510 #13 Solid	110/RL 15	Fed 215	2215	2212	3	2214	39202	PSI--	Hornady Brass
3/19/13	510 #13 Solid	112/RL 15	Fed 215	2284	2274	10	2279	42712	PSI--	Hornady Brass
3/22/13	510 #13 Solid	114/RL 15	Fed 215	2320	2292	28	2306	43394	PSI--	HornBrass + .0025
				45007	41781					
				+ .003	+ .0025					
3/23/13	510 #13 Solid	93/IMR 4064	Fed 215	2055	2046	9	2050	37239	PSI--	HornBrass + .0015
3/23/13	510 #13 Solid	96/IMR 4064	Fed 215	2162	2160	2	2161	44469	PSI--	HornBrass + .0025
3/26/13	510 #13 Solid	88/IMR 8208	Fed 215	1937	1926	11	1931	No Data		
3/26/13	510 #13 Solid	90/IMR 8208	Fed 215	2043	2022	21	2031	34287 PSI		
3/26/13	510 #13 Solid	93/IMR 8208	Fed 215	2144	2128	16	2136	40551 PSI		
3/26/13	510 #13 Solid	95/IMR 8208	Fed 215	2199	2188	11	2194	44059 PSI		
475 BBW#13 NonCon HP										
Below Sam RL 15-- Jamison Brass										
3/19/13	475 #13 HP	109/RL 15	Fed 215	2250	2248	2	2249	39069	PSI--	JamBrass
Below MDM RL 15-- Hornady Brass										
3/22/13	475 #13 HP	112/RL 15	Fed 215	2285	2280	5	2283	37863	PSI--	HornBrass + .0015

