



Disclaimer

Reloading information provided are not guaranteed to be free from errors and defects. Use at own risk! Reloading can be dangerous as equipment differs and our published data even for best case scenario's are not able to factor in all the possible variants. Reloading with or based on our supplied information as well as the firing of reloaded ammunition is done entirely at own risk. PEREGRINE BULLETS can not be held responsible for the correctness of any reloading information provided. The load data published by PEREGRINE BULLETS is intended as a guide only and for use by skilled and experienced re-loaders familiar with safe reloading techniques.

The onus as well as the risk of damage and/or personal injury remains with the user and Peregrine and its employees does not accept any form of liability for providing this data nor its distribution nor re-distribution by any 3rd party.

Bullet "shot start" information to consider

PEREGRINE bullets are made from gilding metal and are soft in comparison to other monolithic bullets. Please note that propellant burn rate recommendation for Peregrine is generally faster in comparison to other monolithic bullet products. Suggested burn-rate may even be faster than customary for many lead-core bullets. For additional reloading guidelines and data not in the list below please e-mail admin@peregrinebullets.com

Important Notes

- 1.) Loads marked in green has been cross referenced with a high level of verification.
- 2.) Loads marked in blue has been cross referenced with a medium level of verification.
- 3.) Loads marked in yellow has been cross referenced with a low level of verification. Use with caution and as a guide only.
- 4.) Loads marked in red is without any verification. Use with extreme caution.
- 5.) Reloading can be very dangerous. Never start with optimum loads. Always start lower and work up with caution for your own safety.
- 6.) Information contained in this document will be expanded and updated as our information database grows.
- 7.) Release Date 1 July 2021

Barrel Wear Information

Peregrine bullets are manufactured from a material that is near identical to the jackets of lead-core bullets. This material is called gilding metal and consist of mainly Copper with a very small percentage of Zinc (3 to 5%). The purpose of adding such a small quantity of Zinc to the Copper base material is to markedly reduce friction and copper fouling.

There are wild rumours by critics not very skilled in the art of metallurgy who claims with fictitious authority that bullets manufactured from similar material than the jackets of lead-core bullets (such as Peregrine) will cause more harm to a barrel in comparison to lead-core bullets. Such allegations are mostly

vindictive and certainly not based on science nor experience. There are several authoritative studies that clearly show combustion temperature (and pressure) to be very dominant factors in barrel wear. Far more than bullet construction material.

Cal	Bullet Weight [gr]	Bullet Type	Primer	Powder Type	Load Start [gr]	Load optimum [gr]	Loadmax [gr]	Velocity	COL [mm]	Seat Depth [mm]
17 Hornet 24"	21	VLR	BR4	H110	9.0	9.6	9.9	4580	43.8	5.7
204 26"	34	VLR	450	N530	22	24.5	25	3850	57.4	7.1
223Rem	55	VRG3	400	S321	22	24.4	24.8	2950	54.9	8.8
220 Swift 26"	54	GRM	215	URP	43	44.5	45C	3890	74.4	5.4
220 Swift 26"	65	GRM	215	S365	40	41.5	42	3600	75.9	7.8
222Rem 22"	44	VLR	400	S321	23.5	25.0	25.5	3280	54.1	7.2
222Rem 22"	51	VLR	400	S321	23	23.6	24.5	3100	54.1	10.4
223Rem 22"	51	VLR	400	N120	20	23.0	23.5	3300	57.4	8.6
223Rem 22"	51	VLR	400	N530	22	26.0C	26C	3300	57.4	8.6
223Rem 22"	51	VLR	BR	S321	23	25.9	27	3285	57.4	8.6
223Rem 23"	54	GRM	F205	S321	23	26.4	27	3275	60.3	8.2
223Rem 24"	54	GRM	F205	N133	23	24	24.5	3400	61.7	
223Rem 23.7"	60	VLR	400	Varget	23	25.6	27	2985	58.5	9.1?
223Rem 22"	60	VLR	400	S321	22	25.4	26	3040	58.9	9.1
223Rem 22"	65	GRM	400	S321	22	25.4	26	3000	64.0	7.9
22-250	51	VLR	200	S335	36	38.0	39	3750	60.7	9.1
22-250	51	VLR	250	IMR4350	39	40.9	42.0	3545	60.7	9.1
22-250	51	VLR	250	N540	35	37.2	38.0	3500	60.7	9.1
22-250	51	VLR	250	N550	37	40.0	44.0	3640	60.7	9.1
22-250	55	VRG3	200	S335	27	29.0	29.5	3170	57.0	10.4
22-250	55	VRG3	200	N550	36	39.8	39	3600	57.0	10.4
22-250	58	VLR	250	S365	38	40.8	41.5	3490	60.7	11.1
22-250	58	VLR	250	IMR4350	37	40.0	41.0	3460	60.7	11.1
22-250	58	VLR	250	N550	37	39.7	42.5	3570	60.7	11.1
22-250	67	VLR	250	N550	37	40.0	41	3450	61.1	13.4
22-250	67	VLR	250	S341	34	37.0	38	3400	61.1	13.4

22-250	75	GRM	250	N560	40	43.5	33	3460	68.8	10.3
22-250 AI 28"	65	GRM	200	H4350	37	38.7	40	3525	65.4	
22-250 AI 26"	75	GRM	210	RL-17	36	39.2	39.8	3500	70.0	9.5
22-250 AI 27.5"	75	GRM	215	MRP	38	41.5	42	3475	67.2	11.7
243 24"	75	VLR	200	S355	37	41.0	42	3160	68.6	10.6
243 24"	75	VLR	200	N540	37	41.0	42	3180	68.6	10.6
243 24"	75	VLR	200	N550	39	43.3	44.5	3350	68.6	10.6
243 24"	75	VLR	200	IMR4350	40	44.5	46	3210	68.6	10.6
243 20"	81	GRM	200	S355	36	39.9	40.5	3070	71.0	9.3
243 24"	81	GRM	200	N550	41	43.5	45	3260	71.0	9.3
243 24"	81	GRM	200	H4350	41	44.3	46	3135	71.0	9.3
243 24"	82	VLR	200	S355	36	39.5	40	3030	68.6	12.3
243 24"	82	VLR	200	CFE223	37	41.5	42.5	3180	68.6	12.3
243 24"	82	VLR	200	N540	34	38.5	39	3100	68.6	12.3
243 24"	82	VLR	200	S365	38	40.1	42	3260	68.6	12.3
243 24"	82	VLR	200	IMR4350	39	42.5	44	3035	68.6	12.3
243 24"	82	VLR	200	N550	39	41.6	43	3300	68.6	12.3
243 24"	82	VLR	200	S385	41	44.6	45.5	3080	68.6	12.3
243 22" Tikka	85	VRG3	200	IMR4350	38	41.3	42	2940	65.2	11.0
243 22" Tikka	85	VRG3	200	S365	38	41.0	42	2930	65.2	11.0
243 26"	95	VLR	200	S365	38	40.5	41.5	2860	69.0	14.1
243 24"	100	VRG	200	IMR4350	37	40.2	42	2875	67.2	12.7
243 24"	100	VRG	200	S365	37	40.0	42	2870	67.2	12.7
243 24"	100	VRG	200	S361	40	43.0	44	2875	67.2	12.7
243 24"	100	VRG	200	N550	37	39.0	41	2920	67.2	12.7
243 AI 26"	97	GRM	205	N560	44	46.8	47.1	3215	69.8	15.4
6mm Creed 26"	97	GRM	BR4	N555	41	44.8C	45.5C	3220	72.2	10.4
6mm BR Norma AI	81	GRM	200	N540	30.5	31.2	32.3	3100	57	11.0
6mm SLR 27"	91	GRM	250	S361	44	47.0	47.5	3250	70.5	
6mm SLR 27"	97	GRM	250	S361	44	47.0	47.5	3180	70.5	14.6
6mm SLR 27"	97	GRM	250	N550	39	42.5	43	3145	71.0	14.1
6mm Musgrave	81	GRM	200	S361	39	41.0	41.5	2900	71.7	
6mm Musgrave	84	VLR	200	S361	38	40.0	40.5	2900	74.3	11.5
6mm Musgrave	84	VLR	200	N550	35	38.0	40	3000	78.0	7.8
240 FL NE 24"	92	VLR	200	N560	42	46.5	47.5	3030	82.3	12.4

240 FL NE 24"	101	VRG3	200	N560	42	45.2	46.5	2910	79.0	13.0
25-06 24"	80	VLR	200	RL-15	50	52.0	55	3480	82.6	7.3
25-06 24"	87	VLR	200	N550	48	52.0	53	3300	82.6	9.1
25-06 24"	87	VLR	215	N560	53	59	60C	3350	82.6	11.8
25-06 24"	87	GRM	210	S365	49	53.5	54	3250	82.6	9.1
25-06 24"	87	GRM	215	S361	54	59.0	60C	3250	82.6	9.1
25-06 24"	98	GRM	200	S365	50	52	53	3050	84.0	10.8
25-06 24"	98	GRM	215	S361	54	57.0	58	3150	84.0	10.8
25-06 24"	98	GRM	215	H4831	53	55.8	57	3280	86.8	8.10
25-06 24"	100	VLR	200	S365	49	53.0	54	3120	83.0	11.8
25-06 24"	100	VLR	200	N550	49	50.0	51	3200	83.0	11.8
25-06 24"	100	VLR	215	N560	53	57.0	58	3280	83.0	11.8
25-06 24"	100	VLR	215	H4831	53	57.0	58	3270	83.0	11.8
260Rem	118	VLR	200	S355	36	39.0	40	2830	70.1	15.9
260Rem	118	VLR	200	N550	40	43.5	44	3019	70.1	15.9
260Rem 22.5"	118	VLR	200	IMR4350	40	44.5	46	2750	70.1	15.9
260Rem 22.5" Sako	118	VLR	200	H4350	43	46.4	47	2940	74.0	12.0
260Rem	120	GRM	200	S365	38	41	42.5	2900	71.2	15.6
260Rem 28" Sabti	120	GRM	200	N550	41	44.0	45.5	3060	74.9	11.9
260Rem 22.5"	124	VLR	200	S365	40	44.0	41.5	2790	70.0	17.5
260Rem 22.5	124	VLR	200	N550	39	43.5	44	2750	70.0	17.5
260Rem 26" TRG	125	GRM	200	N550	41	44.0	45	3053	74.5	13.8
6.5ASM 28"	125	GRM	200	N565	60	62	63	3300	76.4	
6.5-06AI 26"	125	GRM	215	MRP	55	57.5	58.5	3200	85.6	
6.5-06AI 29"	125	GRM	215	N565	56	58.5	59	3250	84.7	
6.5Creed 24"	106	GRM	205	N135	37	38.0	40	3000	71.0	10.2
6.5Creed 24"	106	GRM	205	S355	40	41.5	43	2980	71.0	10.2
6.5Creed 24"	118	VLR	SRMag	S365	41	43	44	2840 ?	70	13.1
6.5Creed 24"	118	VLR	200	N550	39	41.5	42.5	2840	67.1	16.0
6.5Creed 24"	118	VLR	200	IMR4451	40	44.0	45	2920	67.1	16.0
6.5Creed 24"	118	VLR	200	IMR4350	39	43.5	44	2850	67.1	16.0
6.5Creed 24"	120	GRM	200	N550	39	42.5	43	3050	71.7	12.2
6.5Creed 24"	120	GRM	200	URP	40	43.5	46	2970	71.7	12.2
6.5Creed 24"	120	GRM	200	S355	38	40.6	42	2900	71.7	12.2
6.5Creed 24"	120	GRM	200	VARGET	38	40.0	41	2910	71.7	12.2

6.5Creed 24"	120	GRM	200	S365	38	41.4	42.5	2890	71.7	12.2
6.5Creed 24"	120	GRM	205	N555	38	46.0C	46.5C	2820	71.7	12.2
6.5Creed 24"	124	VLR	205M	S355	38	40.0	42	2720	73.0	11.6
6.5Creed 24"	124	VLR	200	N540	38	40.5	42	2900	73.5	11.1
6.5Creed 24"	124	VLR	200	N550	38	40.5	42	2760	67.1	17.5
6.5Creed (Hot) 24"	124	VLR	450	N550	40	42.9	43.5	2930	68.7	15.9
6.5Creed 24"	124	VLR	200	IMR4350	40	42.5	43.5	2780	67.1	17.5
6.5Creed 24"	124	VLR	200	N555	43	45.8C	46C	2780	71.5	13.1
6.5Creed 24"	125	GRM	200	N550	40	42.5	43.5	2920	75.3	8.6
6.5Creed 24"	140	VRG3	200	N550	36	39	39.5	2640	67.6	15.2
6.5 Grendel 20"	124	VLR	BR4	N133	26.5	27.2	27.8	2430	57.4	
6.5x47Lap 25.5"	118	VLR	BR4	S335	35	37.5	38.5	2930	70.6	10.7
6.5x47Lap 25.5"	118	VLR	BR4	S355	35	39.5	38.5	2980	70.9	10.4
6.5x47Lap 25.5"	120	GRM	BR4	S335	35	37.7	38.5	2930	71.0	11.1
6.5x55 24"	118	VLR	200	N150	40	42.6	43	2970	75.5	13.8
6.5x55 24"	118	VLR	200	N550	42	45.5	46.5	2960	75.5	13.8
6.5x55 24"	118	VLR	200	IMR4350	43	47.4C	48C	2880	75.5	13.8
6.5x55	118	VLR	200	N560	46	49	50	3020	75.5	13.8
6.5x55	118	VLR	200	IMR4831	40	46.5	47.5	2900	75.5	13.8
6.5x55 27"	120	GRM	200	S365	43	45.4	48	3090	79.0	11.1
6.5x55 22"	120	GRM	200	N550	43	46.5	47.5	2925	78.0	12.1
6.5x55 23" Blaser	120	GRM	250	URP	46	48.5	49	3025	78.8	11.3
6.5x55 24"	124	VLR	200	IMR4350	43	45.4	47C	2730	75.5	13.8
6.5x55 24"	124	VLR	200	N150	39	41.1	42.5	2930	74.5	16.3
6.5x55 24"	124	VLR	200	S365	39	41.1	42.5	2930	74.5	16.3
6.5x55 24"	124	VLR	200	N550	42	45.0	46	2940	75.0	15.8
6.5x55 24"	124	VLR	200	RS62	45	48.3	49.0	2830	74.5	16.3
6.5x55 24"	124	VLR	200	N560	43	49.0	51	2850	79.0	11.8
6.5x55 21.5"	125	GRM	215	S365	43	48.1	49	2905	80.3	11.7
6.5x55	140	VRG3	200	N550	40	43.5	44.5	2710	71.2	17.7
6.5x57	118	VLR	200	Varget	43	45.1	45.5	2940	75.4	15.6
6.5x57	124	VLR	200	Varget	43	44.2	45.5	2880	75.4	17.1
6.5x57	124	VLR	200	RL-15	42	45.0	47	2950	77.1	15.4
6.5x57	140	VRG3	200	Varget	43	42.5	45.5	2650	74.6	15.1
270 24"	107	GRM	200	IMR4451	55	60	61	3600	88.7	9.7
270 24"	121	GRM	200	S365	52	55.5	57	3125	88.7	9.7
270 24"	121	GRM	200	IMR4451	55	58	59	3110	88.7	9.7

[illegible]

7x57 26"	161	VLR	200	N540	38	40.5	44	2610	78.0	16.6
7x64 28"	132gr	VLR	200	S365	50	54	57	3080	83.5	
7x64 24"	140	VLR	200	Varget	47	50.5	52	2960	83.5	16.1
7x64 24"	140	VLR	200	N550	49	53.2	54	2910	83.5	16.1
7x64 24"	140	VLR	200	IMR4350	50	54.5	55.5	2830	83.5	16.1
7x64	145	GRM	200	N550	51	53	54	2960	88.2	
7x64	145	GRM	200	N560	51	59	54	3000	88.2	
7x64 24"	150	VLR	200	Varget	45	49.5	50.5	2890	83.5	18.1
7x64	150	VLR	200	N550	51	52.5	53	2900	83.5	18.1
7x64	150	VLR	200	S365	50	53.0	54	2890	83.5	18.1
7x64 24"	150	VLR	200	H4350	51	54.1	56	2855	85.8	15.1
7x64	160	VRG3	200	N550	47	50.0	51	2790	81.9	15.0
7x64	160	VRG3	200	IMR4350	48	51.0	52	2790	81.9	15.0
7mm RemMag	140	VLR	250	S365	57	60.7	62	2950		VRG4 oud
7mmRemMag24"	140	VLR	250	N560	68	71	72	3130	84.1	15.0
7mmRemMag29"	177	GRM	250	Retumbo	68	72	75	3070	95.0	12.5
7mm RUM 26"	140	VLR	250	S385	84	88	89	3600	94.0	Piet D
7mm Pract 29"	160	GRM	200	IMR7977	80	81.5	82.5	3290	95.3	
7mm Pract 29"	160	GRM	200	N570	80	82.5	83.5	3320	95.3	
7mm Pract 29"	177	GRM	200	N570	77	80.0	81.0	3170	97.0	
308Win	136	VLR	200	S321	45	48.5	49	3055	70.6	10.9
308Win	136	VLR	200	N530	43	46.2	47	3060	70.6	10.9
308Win 23"	146	GRM	BR4	Norm200	38	40.5	42	2900	75.0	9.3
308Win 24"	150	VLR	200	S321	42	46.3	47	2900	70.6	13.2
308Win 24"	150	VLR	200	N530	42	44.0	45	2900	70.6	13.2
308Win 24"	150	VLR	200	IMR3031	40	43.6	44.5	2810	70.6	13.2
308Win 24"	150	VLR	200	Norm202	42	42.6C	43C	2630	71.1	12.7
308Win 24"	150	VRG3	200	S335		42.5		?	67.5	
308Win 24"	150	VRG3	200	IMR4895	41	43.2	45	2765	66.1	12.1
308Win 24"	155.5	GRM	200	S321	42	46.9	47	2850	75.8	10.4
308Win 24"	155.5	GRM	200	N530	42	44.7	46	2860	75.8	10.4
308Win 24"	165	VRG3	200	N530	36	39.5	41	2730	66.2	14.5
308Win 24"	165	VRG3	200	S321	41	44.4	46	2690	66.2	14.5
308Win 24"	165	VRG3	200	IMR3031	39	42.2	43C	2630	66.2	14.5

308Win 24"	165	VRG3	200	IMR4895	40	42.7	44	2715	66.2	14.5
308Win Rem 26"	166	GRM	BR4	S321	43	46.3	47	2845	78.2	10.3
308Win Rem 26"	166	GRM	BR4	S335	42	44.8	45.5	2750	78.2	10.3
308Win 24"	166	GRM	200	N530	40	43.0	45	2860	77.0	11.5
308Win 24"	167	VLR	200	Norm200	34	37.0	38.5	2640	70.6	15.8
308 Win 20"	171	VLR	250	S321	40	42.9	43.5	2700	70.6	15.8
308Win 24"	167	VLR	200	S321	42	44.7	45.5	2780	70.6	15.8
308Win 24"	167	VLR	200	N530	40	42.5	43.5	2780	70.6	15.8
308Win 24"	167	VLR	200	201	40	43.0C	43.5	2700	70.6	15.8
308Win 24"	167	VLR	200	IMR4895	42	43.0C	43.5C	2740	70.6	15.8
308Win 24"	167	VLR	200	IMR3031	41	42.5C	42.5C	2710	70.6	15.8
308Win 24"	167	VLR	200	202	41	41.5C	42.0C	2710	70.6	15.8
308Win 24"	167	VLR	200	VARGET	41	42.8C	43C	2580	70.6	15.8
308Win 24"	167	VLR	200	CFE223	44	45.5	46.5	2790	70.6	15.8
308Win 24"	167	VLR	200	N133	40	41C	41	2670	70.6	15.8
308Win 24"	167	VLR	200	N540	41	43.5C	45C	2640	70.6	15.8
308Win 24"	167	VLR	200	S335	40	43.0	45C	2720	70.6	15.8
308Win 24" 1:10	155	SubS	200	MP200	8	8.8*	10	1050	66.5	
308Win 24" 1:10	155	SubS	200	S121	8.5	9.2*	10	1050	66.5	
308Win 24" 1:10	155	SubS	200	S265	11	12.5*	14	1050	66.5	
308Win 24" 1:10	155	SubS	200	TiteGrp	7.5	8.2*	9	1050	66.5	
308Win 24" 1:10	155	SubS	200	CFEPistol	8	8.8*	9.5	1050	66.5	
308Win 24" 1:10	155	SubS	200	Lov D032	8	8.4*	9.5	1050	66.5	
*Use a filler with Sub Sonic bullet loads										
30-06 24"	150	VLR	215	S365	52	56.0	57	2900	85.0	11.0
30-06 24"	150	VLR	200	N540	48	52.5	54	2940	84.5	11.5
30-06 24"	150	VLR	200	N550	53	55.7	57.2	2920	84.5	11.5
30-06 24" 1:10	155	SubS	200	MP200	9	9.5*	10	1050	78.6	
*Use a filler with Sub Sonic bullet loads										
30-06	165	VRG3	200	N550	49	52.1	54.5	2720	78.5	14.4
30-06 24"	167	VLR	200	Varget	48	51.6	52.5	2810	85.1	13.5
30-06 24"	167	VLR	200	N540	47	52.6	53.5	2800	82.6	16.0
30-06 24"	167	VLR	200	S355	47	50.5	52	2820	85.6	13.0
30-06 24"	167	VLR	250	S341	48	51.8	53	2830	84.5	14.0
30-06 24"	167	VLR	200	N550	49	54.0	55	2900	84.5	14.0
30-06 22"	167	VLR	200	S365	53	56.0	57	2690	84.5	14.0
30-06 24"	167	VLR	215	S365	54	56.8	57.5	2760	84.5	14.0
30-06 24"	167	VLR	200	URP	50	54	55	2760	84.5	14.0
30-06 24"	167	VLR	200	RL-16	52	56	57	2720	84.5	14.0
30-06 24"	167	VLR	200	IMR 4350	50	54.0	55	2730	84.5	14.0
30-06 24"	176	Glider	200	S365	53	56.0	57.5	2740	89.5	12.8
30-06 24"	180	VLR	215	S365	47	52	54	2660	84.5	16.75

30-06	180	VLR	200	IMR 4350	50	51	56	2670	84.5	16.75
30-06	180	VRG3	200	S365	52	55.5	56.5	2670	81.3	14.0
30-06	180	VRG3	200	IMR 4350	50	52	56	2680	81.3	14.0
30-06 24"	183	VLR	200	N550	46	52.2	54	2715	84.5	16.9
30-06 24"	183	VLR	200	IMR4350	46	50.5	53	2645	84.5	16.9
30-06 24"	183	VLR	200	S365	51	54.0	55	2680	84.5	16.9
30-06 24"	183	VLR	250	URP	50	53.0	54	2645	85.0	16.4
30-06 22"	186	GRM	215	S361	56	58.7	60	2680	89.3	14.5
30-06 24"	186	GRM	250	N550	52	55.5	57	2715	90.3	13.5
30-06 27"	196	GRM	250	MRP	58	60.7	61.5	2830	89.0	16.3
300BLK 16"	188	SubS	400	CFEPistol	6.5	7.0	7.5	1050	54.3	
300BLK 16"	188	SubS	400	S265	8.5	9.0	9.5	1050	54.3	
300WinMag 24"	183	VLR	250	S365	63	67	68	2750	87.5	17.0
300WinMag 24"	183	VLR	250	S361	73	75	77	2960	88.5	15.9
300WinMag 24"	183	VLR	250	N560	68	71.0	72	3000	88.5	16.0
300WinMag 24"	183	VLR	250	S385	66	68.6	73	2980	87.2	17.3
300WinMag 24"	183	VLR	250	S385	69	72.0	73	2995	87.2	17.3
300WinMag 24"	183	VLR	250	H4831	72	74.5	75.5	2995	87.2	17.3
300WinMag 24"	183	VLR	250	IMR7828	74	77.0	78	3005	87.5	17.3
300WinMag 24"	183	VLR	250	RL-22	71	73.7	74.5	2985	88.5	16.0
300WinMag 24"	193	VLR	250	N560	73	75	76.5	2800	88.5	
300WinMag	196	GRM	250	N565	75	77.3	78	3130	97.2	
300WinMag	196	GRM	250	N565	75	77.3	78	3130	90.4	????
300WinMag 24"	206	GRM	250	N560	71	73.2	75	2810	96.6	13.05
300WinMag	206	GRM	250	N565	74	76	77	3050	97.2	
300WinMag 24"	206	GRM	250	H4831	73	76.4	77	2945	95.2	14.9
300WinMag	206	GRM	250	S385	68	72	73	2920	94.5	
300WSM 26"	167	VLR	250	N550	61	64	65	3110	72.6	15.9
300WSM 24"	167	VLR	250	N560	64	67.7C	68	2930	72.6	18.6
300WSM 24"	183	VLR	250	N550	59	61	63	2900	72.6	18.6
300WSM 24"	183	VLR	250	365	58	61	63	2850	72.3	18.9
300WSM 24"	183	VLR	BR	IMR4350	58	61.5	62	2960	73.5	17.8
300WSM 30"	193	VLR	250	N560	65	68	71	3000	78.4	14.3
300WSM 30"	196	GRM	250	N560	65	67.5	69	2985	82.1	12.75
300WSM 29"	206	GRM	250	N560	65	67.3	69C	3000	83.7	
300WSM 29"	206	GRM	250	MRP	65	67.5	68.5	2950	85.0	

300NM	183	VLR	250	N565	83	85.8	87.5	3110	88.6	12.7
300NM 26"	183	VLR	250	N570	90	92.8	94	3210	88.6	12.7
300NM 26"	193	VLR	250	N570	89	92.1	93.5	3185	88.6	14.4
300NM 26"	203	VLR	250	N570	86	88.1	91.5	3030	88.7	15.9
300NM	206	GRM	250	RS76	86	89	90	3166	93.0	13.4
300NM	206	GRM	250	N570	88	91.5	92.5	3290	93.5	12.9
300H&H 24"	183	VLR	250	S365	59	62.0	63	2840	91.7	18.7
300H&H 24"	183	VLR	250	S385	65	68.5	69.5	2900	91.7	18.7
300H&H 24"	183	VLR	250	N560	67	69.8	71	2960	91.7	18.7
300RUM 26"	183	VLR	250	N570	91	94.1	95	3210	93.7	16.7
300RUM 26"	186	GRM	250	N570	91	95.0	96.5	3190	99.9	12.8
300RUM 26"	193	VLR	250	Retumbo	89	93.1	94	3095	94.5	17.0
300RUM 26"	196	GRM	250	Retumbo	88	92.0	94.5	3035	99.0	15.7
300RUM 32"	206	GRM	250	N560	81	84.6	85	3140	99.7	15.8
300RUM 32"	206	GRM	250	N570	88	90.2	93	3140	99.1	16.3
300 WBY	183	VLR	215	N560	76	80.6	82.5	3015	90.9	18.9
300 UMAG	183	VLR	250	N560	83	89	90	3200		
7.62x39R	165	SubS	200	MS200	7	8.0	9	1050	54.3	16.5
7.62x39R	165	SubS	200	CFEPistol	7	8.3	9	1050	54.3	16.5
7.62x54R 1:12	160	VLR	200	N540	47	49	51	2810	76.8	11.3
7.62x54R 1:12	160	VLR	200	CFE23	49	52	54	2830	76.8	11.3
7.62x54R 1:12	160	VLR	200	N550	49	53.5	54.5	2860	76.8	11.3
303 Brit	152	VLR	200	S335	40	41.5	43	2580	75.4	13.0
303 Brit	152	VLR	200	IMR3031	40.5	41.5	43	2580	75.4	13.0
303 Brit	152	VLR	200	N530	40.5	41.5	43	2580	75.4	13.0
303 Brit	168	VLR	200	S335	38	40.5	41.5	2510	75.4	15.5
303 Brit	168	VLR	200	IMR3031	38	40.5	41.5	2510	75.4	15.5
303 Brit	168	VLR	200	N530	38	40.5	41.5	2510	75.4	15.5
303 Brit	168	VRG3	200	S335	38	41.1	41.5	2500	72.4	13.1
8X57 I 24"	175	VLR	200	S335	42	46.0	48	2625	82.0	12.3
8X57 I 24"	175	VLR	200	N540	43	47.0	49	2630	82.0	12.3
8x57 IS	180	VLR	200	N135	46	45.5	48	2670	79.7	14.2
8x57 IS	180	VLR	200	N140	44	47.5	48.5	2670	79.7	14.2
8X57 IS	180	VLR	200	N530	42	45	47	2670	79.7	14.2
8X57 IS 24"	180	VLR	200	N540	46	49.0	51	2670	79.7	14.2
8X57 IS 24"	180	VLR	200	CFE223	50	52.9	54	2720	79.7	14.2

8x57 IS	200	VRG3	200	N540	43	46.6	45	2580	76.9	12.8
8x57 IS	200	VRG3	200	CFE223	47	51.5	52.5	2565	76.9	12.8
8x68S	180	VLR	250	N550	66	70.9	71.5	3095	90.2	14.2
8x68S	200	VLR	250	N550	63	65.6	68	2860	86.0	19.4
8x68S	200	VRG3	250	N550	63	67.5	68	2930	87.5	12.8
8.5 x 63 22" 1:10	185	VRG3	200	N540	57	61	63	2880	82.9	9.7
8.5 x 63 22" 1:10	185	VRG3	200	CFE223	62	65	67	2920	82.9	9.7
338WM	200	VLR	250	S365	68	70.0	71	2880	84.5	15.2
338WM 23"	200	VLR	250	N550	67	69.9	71	2925	84.5	15.2
338WM 24"	200	VRG3	250	S365	68	72.5	73.5	2900	83.0	12.0
338WM	220	VRG3	250	S365	64	67.0	68	2695	81.2	16.3
338WM 23"	220	VRG3	250	N550	64	67.1	69	2795	81.2	16.3
338WM 24" Hot	220	GRM	250	S365	68	72.5	73	2885	91.0	12.7
338WM 24"	225	VLR	250	S365	63	66.0	68	2750	84.5	18.5
338WM 22"	225	VLR	250	URP	65	68.6	70	2690	84.5	18.5
338WM 23"	225	VLR	250	N550	64	66.5	67.5	2780	84.5	18.5
338 WM 1:10	220	SubS	200	S265	18	19.0*	20	1050	81.2	
*Use a filler with Sub Sonic bullet loads										
338WM	250	VRG3	250	S365	61	63.4	65	2480	81.2	20.3
338WM 23"	250	VRG3	250	N550	60	62.8	64	2615	81.2	20.3
338LM 24"	248	VLR	250	S385	80	83.5	84.5	2900	92.3	20.8
338LM 24"	248	VLR	215	N560	78	81.0	83	2830	92.3	20.8
338LM	270	VLR	215	N560	74	78.0	79	2720	93.4	22.6
338LM 27"	270	VLR	215	S385	73	77.4	78	2730	93.4	22.6
338LM 26" TRG	260	GRM	215	N560	82	84.5	86	2890	99.3	
338LM 26" TRG	260	GRM	215	N565	83	86.3	87	2910	99.3	
338LM 26" TRG	260	GRM	215	N570	90	94.5	96	2950	99.3	
338LM 27" TRG	275	GRM	215	S385	82	83.1	84	2850	100	16.9
338LM 30"	275	GRM	215	H4831SC	86	88.8	89.5	2920	104.7	12.2
338LM 27"	275	GRM	215	N565	83	91.3	92	2880	99.4	
338LM 26" TRG	275	GRM	215	N570	88	90	91	2920	98.5	18.8
338LM 26" TRG	275	GRM	215	Retumbo	91	93	94	2880	99.5	
338LM 26" TRG	290	GRM	215	Retumbo	83	87.0	88	2680	99.3	20.8
338LM	305	GRM	215	Retumbo	92	94.5	96	2790	99.3?	

338LM	305	GRM	215	N570	82	84.5	86	?	95.5?	
338-378 Wby 28"	275	GRM	215	Retumbo	110	117	120	3040	112.1	10.0
338 Norma Mag	275	GRM	215	N565	82	85.0	86	2900	94.2	16.8
338 Norma Mag	275	GRM	215	MRP	81	83.0	84	2870	94.2	16.8
9.3X62 22"	230	VLR	200	S335	55	55.7	58.5	2510	82.8	14.8
9.3X62	230	VLR	200	S341	57	61.0	62	2580	82.8	14.8
9.3X62 22"	230	VLR	200	N530	51	54.7	56	2520	82.8	14.8
9.3X62 18.5"	230	VLR	200	N540	60	63.0	64	2560	82.8	14.8
9.3X62	250	VLR	200	S335	52	56.0	57	2480	82.8	17.2
9.3X62	250	VLR	200	N530	52	54.6	55.5	2480	82.8	17.2
9.3X62 22"	250	VLR	200	N540	55	59.0	61	2500	82.8	17.2
9.3X62	250	VRG3	200	N540	56	57.0	58	2400	77.0	16.0
9.3X62	250	VRG3	200	S335	53	54.9	55.5	2450	76.95	16.9
9.3X62	250	VRG3	200	Varget	55	58.0	59	2380	81.0	16.9
9.3X62	250	VRG3	200	S355	55	56.5	57.5	2380	76.95	16.9
9.3X62 22"	286	VRG3	250	S335	48	51.5	53	2180	83.0	15.1
9.3X62	286	VRG3	200	N530	48	50.5	52	2250	78.6	19.6
9.3X62	286	VRG3	250	H4895	50	54.0	55	2200	82.7	15.5
9.3X62	286	VRG3	200	N540	51	55.0	56	2250	78.6	19.6
9.3X62	286	VRG3	200	IMR3031	48	51.0	52.5	2280	79.6	18.6
9.3X62	293	VRG1	200	S335	49	52.0	54	2300	85.5	
9.3X64	286	VLR4	250	N135	65	68.1	70	2850	85.9	
9.3X64	286	VRG3	250	S355	62	63.5	64.5	2320		
375 RUM 30"	300	GRM	215	204	87	90.2	93.5	2830	104.9	12.49
375 RUM 30"	300	GRM	215	IMR7977	94	97.2	101	2755	104.9	12.49
375 RUM 30"	300	GRM	215	IMR4955	93	95.0	97.5	2842	104.9	12.49
375 RUM 30"	300	GRM	215	N570	98	104.0	106	2895	104.9	12.49
375H&H 24"	230	VLR	250	N530	69	70.2	71.5	2920	92.4	13.6
375H&H 24"	230	VLR	250	S335	67	70	72	2920	92.4	13.6
375H&H 24"	230	VLR	250	IMR3031	67	71.0	72	2920	92.4	13.6
375H&H 24"	230	VLR	250	202	69	71.5	73	2920	92.4	13.6
375H&H 24"	230	VLR	250	Varget	69	72	74	2800	92.4	13.6
375H&H 24"	230	VLR	250	H4895	69	72	73	2920	92.4	13.6
375H&H 24"	230	VLR	250	N540	71	75.3	76	2910	92.4	13.6
375H&H 24"	230	VLR	250	S355	71	75	76	2750	92.4	13.6
375H&H 24"	230	VLR	250	RL-15	74	78.5C	79.5C	2900	92.4	13.6
375H&H 24"	250	VLR	250	S355	68	72.9	73.5	2765	92.4	15.8
375H&H 24"	250	VLR	250	N530	64	67.6	68.5	2805	92.4	15.8
375H&H 24"	250	VLR	250	N540	70	72.0	74	2770	92.4	15.8

375H&H 22"	250	VLR	250	RL-15	72	76.5	77.5	2760	92.4	15.8
375H&H 24"	250	VRG3	250	S355	68	72.0	73.5	2710	88.6	14.2
375H&H 24"	250	VRG3	250	H4895	64	67.4	69	2710	88.6	14.2
375H&H 24"	270	VLR	250	S335	62	66.0	67	2650	92.4	18.1
375H&H 24"	270	VLR	250	N530	61	65.0	66	2690	92.4	18.1
375H&H 24"	270	VLR	250	N540	67	68.3	72.5	2670	92.4	15.8
375H&H 24"	270	VRG3	250	N540	67	71.8	72.5	2640	87.3	16.7
375H&H 24"	300	VRG3	250	S335	63	64.2	66	2475	90.4	17.9
375H&H 24"	300	VRG3	250	IMR3031	63	64.0	66	2550	90.4	17.9
375H&H 24"	300	VRG3	215	Nor 202	64	67.0	68	2530	90.4	17.9
375H&H 24"	300	VRG3	250	H4895	62	66.0	67	2570	90.4	17.9
375H&H 24"	300	VRG3	250	N530	62	65.0	66	2600	90.4	17.9
375H&H 24"	300	VRG3	215	N540	64	67.0	68	2530	90.4	17.9
375H&H 24"	300	VRG3	250	Varget	66	69.0	70	2590	90.4	17.9
375H&H 24"	300	VRG3	250	RL-15	68	70.5	71.5	2530	90.4	17.9
375H&H 24"	350	GRM	250	N550	69	71	73	2470	107.1	
375H&H 24"	350	GRM	250	S335	62	64	66	2370	107.1	
375RUGER	230	VLR	250	N530	70	73.5	74.5	3010	85.6	13.5
375RUGER	230	VLR	250	Varget	74	77.0C	78C	2900	85.6	13.5
375RUGER 24"	250	VRG3	250	N540	67	70.1	73	2695	81.7	14.2
375RUGER 24"	270	VRG3	250	N540	66	68.7	71	2640	80.5	17.5
375RUGER	300	VRG3	250	N530	62	66.0	67	2605	83.2	18.2
375RUGER 24"	300	VRG3	250	N540	65	69.1	69.5	2575	83.2	18.2
378Wby	230	VLR	250	N550	105	107	108	3100		
378Wby	300	VRG3	250	N550	94	96	97	2900		
37XC 33"	393	GRM	215	Retumbo	114	117.0	119	2955	120.7	13.7
37XC 33"	420	GRM	215	Retumbo	111	114.8	118.5	2830	124.5	13.5
37XC 33"	420	GRM	215	N650	103	106.1	111	2795	112.0	25.5
375 Snipetac 35"	391	GRM	250	N570	120	135	136	3035	119.0	
375 Cheytac 32"	350	GRM	250	N570	120	132			112.0	17.0
375 Cheytac 32"	350	GRM	250	Retumbo	130	133		2970	112.0	17.0
375 Cheytac 35"	400	GRM	250	N570	127	132	133	3000	114.6	
375 Cheytac 35"	400	GRM	250	Retumbo	127	132	133	2900	114.6	
375 Cheytac 35"	400	GRM	250	RS80	135	140	141	2950	114.6	
375 Cheytac	420	GRM	250	N570	120	130	131	2800	114.6	

450/400 NE "3	400	VRG3	250	IMR4350	74	78.0	79	2105	94.7	26.9
10.3x60R 22"	240	VRG3	250	RS52	70	74	75	2620	74.0	11.1
10.3x64 Haberli										
416 Ruger 24"	400	VRG3	250	N540	70	73.7	75	2290	86.2	17.1
416Rigby 24"	300	VLR	250	IMR4350	99	101.0	102	2710	95.6	13.8
416Rigby 24"	400	VRG3	250	IMR4350	89	91.0	92	2350	90.8	20.6
416Rigby 24"	400	VRG3	250	H100V	82	87	88	2350	90.8	20.6
416Rigby 24"	400	VRG3	250	N550	80	85	86	2400	90.8	20.6
416Rigby 24"	400	VRG3	250	S365	82	87	90	2350	90.8	20.6
416 Barrett	448	VLR	50BM G	20N29	185	188	190	3075	117.5	19.9
416 Barret 32"	500	GRM	50BM G	20N29	175	180	182	2950	122	19.5
404 Jeffery 22"	350	VRG3	250	S365	84	88.0	89	2390	89.5	17.0
404 Jeffery 22"	400	VRG3	250	S365	76	80.0	82	2270	89.6	21.3
404 Jeffery 22"	400	VRG3	250	N550	74	79.0	80	2250	89.6	21.3
44 Rem Mag 20"	205	VRG3	400	Blue Dot	15.5	17.5	18C	1930	40.9	12.2
44 Rem Mag 20"	205	VRG3	400	Lil'Gun	18	22.0	22.5C	1930	40.9	12.2
44 Rem Mag 20"	205	VRG3	400	3N38	15.5	16.5	17C	1900	40.9	12.2
444 Marlin 22"	250	VRG3	200	S265	36	40.0	42	2350	65.2	15.2
444 Marlin 22"	250	VRG3	200	N110	33	37.0	39	2310	65.2	15.2
444 Marlin 22"	250	VRG3	200	H110	37	41.0	43	2350	65.2	15.2
450 Marlin 18.5"	310	VRG3	200	N110	36	40.0	41	2120	65.2	13.6
450 Marlin 18.5"	310	VRG3	200	N120	44	48.3C	48.3	2015	65.2	13.6
450Rigby	400	VRG3	250	N540	99	103	107	2660	91.7	13.4
450Rigby	400	VRG3	250	203B	101	105	109	2660	91.7	13.4
450Rigby	400	VRG3	250	S365	110	115	118	2600	91.7	13.4
450Rigby	450	VRG3	250	N540	92	95	99	2500	90.9	17.9
450Rigby	450	VRG3	250	203B	95	98	102	2500	90.9	17.9
450Rigby	450	VRG3	250	S365	98	105	106	2450	90.9	17.9
450Rigby	500	VRG3	250	N540	87	90	95	2350	90.3	22.0
450Rigby	500	VRG3	250	203B	89	92	97	2350	90.3	22.0
450Rigby	500	VRG3	250	S365	98	100	102	2300	90.3	22.0
450Bushmstr 16"	260	Hog		S265	31	32	32.5	1800	54.6	
450Bushmstr 16"	260	Hog		Lil'Gun	31	32	32.5	2070	54.6	
450Bushmstr 16"	260	Hog		N110	29	30	30.5	1800	54.6	

450NE2 3 ½ Eley	450	VGR2	250	N550	90	92	93	2140	99.2	
450NE2 3 ½ Eley	450	VGR3	250	S365	90	92	93	2140	103.5	20.9
450NE2 3 ½ Eley	450	VGR3	250	S385	90	112	93	2140	103.5	20.9
45-70GOV 18.5"	260	Hog	200	H4895	40	54.0	55	2245	65.1	12.0
45-70GOV 18.5"	260	Hog	200	N120	47	51.0	52	2170	65.1	12.0
45-70GOV 18"	290	VRG3	250	N120	44	46.0	48.5	1955	65.0	13.4
45-70GOV 18"	290	VRG3	250	S321	58	63.0C	65	1835	65.0	13.4
45-70GOV 18.5"	300	Hog	200	H4895	45	48.0	49	2020	65.1	14.9
45-70GOV 18"	310	VRG3	250	S321	58	61.0C	63	1885	64.6	13.9
450Marlin 18.5"	310	VRG3	250	N120	46	48.3	49.5	1900	65.2	13.6
45-70GOV18"Dbl	310	VRG3	250	N120	44	46.0	47	1910	65.5	13.4
45-70GOV 18"	310	VRG3	250	N130	44	49.0	50	1920	65.5	13.4
45-70GOV 18.5"	310	VRG3	200	H4895	45	49.5	50.5	2040	65.1	13.9
45-70 Marlin 22"	350	VRG3	250	N120	37	40.8	41.5	1870	64.8	17.6
450 No2 NE Eley	450	VRG3	250	N550	105	110	112	2380	106.1	18.3
458 SOCOM	475	SubS	300	N110	13.5	15.5	16.5	1035	56.4	16.2
458 SOCOM	475	SubS	300	H110	14	15.5	17	1030	56.4	16.2
458 SOCOM	475	SubS	300	Lil'Gun	14	15.5	17	1040	56.4	16.2
458LOTT 23"	400	VRG3	250	S321	74	78.8	80	2400	86.7	16.0
458LOTT 23"	500	VRG3	250	N133	71	72.8C	73C	2160	90.5	19.4
458LOTT 23"	500	VRG3	250	N135	73	76.2C	76.5C	2160	90.5	19.4
458LOTT	500	VRG3	250	N530	73	79.0	78	2270	90.5	19.4
458LOTT 23"	500	VRG3	250	S321	72	76.0	77	2270	90.5	19.4
458LOTT 24"	500	VRG3	250	N550	73	82.0C	82C	2220	90.5	19.4
458 Watts	400	VRG3	250	S321	74	76.8	77.5	2200	88.0	16.00
458WIN 25"	450	VRG3	215	S321	75	80.0	81	2225	85.7	13.0
458WIN 24"	450	VRG3	215	N530	74	78.0	80	2250	83.7	15.0
458Win	480	VRG3	250	S335	73	78.5	81	2100	83.7	
460 WBY	450	VRG3	215M	S341	101	105	108	2550	91.4	17.9
460 WBY	500	VRG3	215M	S321	97	100	101	2560	90.8	22.0
470NE	450	VRG3	250	S365	96	99	101	2094	99.3	
470NE	462	VRG2	250	S365	96	103.5	105	2200	98.0	18.4
470NE	450	VRG3	250	N550	99	101	103	2250	100.4	15.4

470NE	450	VRG3	250	N550	99	101	103	2250	100.4	15.4
470NE	450	VRG3	250	MRP	110	112	113	2250	100.4	15.4
470NE	500	VRG3	250	S365	98	105	106	2100	101.5	17.6
470NE	500	VRG3	250	N550	93	95	97	2130	100.4	18.6
470NE	500	VRG3	250	MRP	104	106	108	2150	100.4	18.6
500 Jef 23"	500	VRG3	250	S335	100	105	110	2320	87.2	14.1
500 Jef 23"	500	VRG3	250	IMR3031	98	105	108	2320	87.2	14.1
500 Jef 23"	550	VRG3	250	S335	94	100	103	2210	88.1	17.2
500 Jef 23"	550	VRG3	250	IMR3031	94	100	103	2210	88.1	17.2
500 Jef 22"	550	VRG3	250	S365	100	110	112	2120	96.0	15.6
500 Jef 22"	550	VRG3	250	IMR4350	100	110	112	2120	96.0	15.6
500NE 24"	500	VRG3	250	IMR4350	102	112C	112C	2160	92.7	15.0
500NE 24"	550	VRG3	250	N540	85	89	91	2060	94.5	17.1
500NE 24"	550	VRG3	250	S365	97	102	104	2100	94.5	17.1
500NE 24"	550	VRG3	250	N550	96	100	102	2140	94.5	17.1
500NE 24"	550	VRG3	250	IMR4350	102	104	107	2035	94.5	17.1
500NE 24"	600	VRG3	250	IMR4350	102	103C	103C	2050	92.7	21.7
50 BMG 35"	750	GRM	50BM	20N29	255	262.0	266	2700	144.8	17.7
50 BMG 35"	750	GRM	50BM	24N41	240	245.0	251	2650	144.8	17.7
50 BMG 35"	750	GRM	50BM	US869	242	247.0	250	2810	141.0	21.5
505GIBBS	560	VRG3	250	N560	118	122	123	2000		
577NE 24"	700	VRG3	250	S335	105	110	112	1980	94.1	16.8
577NE 24"	700	VRG3	250	H4895	103	108	110	2015	94.1	16.8
577NE 24"	700	VRG3	250	N540	106	113	115	2010	94.1	16.8
600NE 22"	750	VRG3	250	N555	146	151	155	2050	94.0	15.2
Handguns										
9m +P	100	SD	400	MP200	5.2	5.6	5.7	1280	28.0	6.9
9m +P 3.75"	100	SD		CFE Pistol	5.2	5.5	5.7	1270	28.0	6.9
9mm +P 4.75"	100	SD		N320	4.3	4.6	5.0	1280	28.0	6.9
454 Casull 8"	265	SD3		3N38	19	21	21.5	1650	44.8	13.6
460 S&W 8.4"	250	Hog		S265	36	39	40C	1860	57.7	10.9
460 S&W 8.4"	250	Hog		N110	36	39	40C	2010	57.7	10.9
460 S&W 8.4"	250	Hog		A2400	32	36	37	1950	57.7	10.9
460 S&W 8.4"	250	Hog		H110	39	43	44	2030	57.7	10.9

DRAFT