

ABSOLUTE HAMMER BULLETS

Loads for regular Hammer Bullets follow conventional loading charges for similar weight bullets in available loading data.

Absolute Hammers are designed with an ogive that does *not* get engraved by the rifling. This results in much lower engraving pressure and consistent BC from rifle to rifle. These bullets will ***not*** engage the lands anywhere on the ogive. This results in greatly reduced pressure resulting in significant velocity gains compared to regular bullets of the same weight. It also means that you cannot measure the cartridge base to ogive – as the ogive does not touch the lands.

The resulting low engraving pressure makes it so that they **do not** line up with conventional data. Reloading with *Absolutes* should be done by *experienced* hand loaders only, who are very good at reading pressure signs.

These bullets require faster than normal powders for the cartridge and bullet weight. *Load with extreme caution.*

Do *Not* transfer any of this data to other Hammer Bullets. This is *Only* for Absolute Hammers.

The following load data was developed and shared by our customers. Use at your own risk and work up to final loads in your firearm carefully. Any damage or injury resulting from overloads are the sole responsibility of the consumer/handloader.

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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Absolute Hammer Load Data (rev 1: 9-26, 28-20) (Rev2: 10-3, 9, 19, 23, 27, 31) (Rev 3: 11-1, 2, 3, 5,7,10,12,13, 21, 24. 29, 30)

(Rev 4: 12-2-20, 3, 13, 14,15,17,18,20,22,26,29)(Rev 5: 1-11, 12,15,16,19,22,26)(2-3,4,5,7,8,9, 10,20,24,28)(3-1,3,5,6,7,9,16,19,21,24,25,31)

(4-5, 7,12,16,24,26)(5-1,2,9,18,19,25,26,27)(6-5,7,14, 21, 26,29)

22 Creed (pickens72)	73	24" Krieger,1-8"	Hornady	F 215	2.605 OAL	RL 26	48.0	3725	.589 @ 410yds, bc .35 from drops
22/250	73	24" 1-8" Mueller	Win	F 215	2.530 OAL	Superformance	42.0	3650	3/8" @ 100
22/284	73	26", 1-7 tw	Lapua, nks turned	CCI Mag	3.000 OAL	RL 25	60.7 61.5	3875 > 3900	2.5"@600yds. Groups opened, + bolt
22 saum (pickens72)	75	26" Rock Creek, 1:6.5	6.5 gap Hornady necked down	CCI 250	??	RL 25	64.0	3950	
.243	69								
.243	87								
25 GPC (25x6.8SPC) Zen Archery	90	26", 1:9	????, slight crimp	CCI 400	2.230	BLC-2 W296 A2230	31.5 21.5 27.5 28.5	2821 2773 2913	Would not eject .372

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25SST (CA 48)	90	26", 1:7,	ADG, Neck Tension .001	F210	2.750	R 26	60.0 62 65 66 67	3586 3687 3849 3903 3980	Eject mark 100% load density Out of room / powder
					Brass lasts 8 firings @3760. @3880 brass lasts 3 firings	H 4350	54 59 60 62 63	3528 3759 3796 3915 3977	Best group 0.4 here Ejector mark Bolt lift, 95% load capacity
257 Robts (RogerPA)	90	22" Kimber; 1:10	????	F210	2.88	H335	42 43 44 45 46 46.5 47.0	3112 3224 3291 3373 3456 3516 3475	Will hunt here Slight ejector Heavy eject/bolt lift
25-06 (RogerPA)	90	24". 1:10 Christensen	????	F 210	????	IMR 4350	52 53 54	3110 3229 3245	Good accuracy all wts Big jump for 1 grain! Slight ejector mark
						Hybrid 100V	51 52 53 54 55	3127 3336 3337 3349 3422	Will hunt here <0.5 Very slight ejector Heavy ejector mark

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25-06 (RogerPA)	90	24" Christensen 1:10	Hornady 2X, .003 nk, no crimp	CCI 200	????	H 414	51 52 53 54	3255 3313 3397 3407	No pressure To continue
	same	same	same	F 215 Changed primers	????	H 414	53 54 55 55.5 56.0 56.5 57	3383 3422 3480 3558 3524(?) 3637 3645	(Continuation) Accuracy very good Throughout all loads Slight ejector Slight ejector, bolt lift "pushing it" max
25-06 (nealm66)	90	Wthby ???	RP, fired ?X	????	3.183	IMR 4451	56.0 57.2 57.8 58.1 58.4 58.7	3532 3584 3650 3678 3685 3721	Could have gone on, but no point. Old "beater" rifle
25-06 AI (Butter-Bean)	90	23.5", 1:10, #9, Brux	Peterson 270 brass .0045 nk tension, nk crimped 1/8 turn	CCI 200 CCI 200	3.335	RL 15 StaBall 6.5	57.0 62.2	3728 3923	SD 7.6, ES17! Got into 3800s, but hard on primer pockets. Shorter barrel didn't help Got into the 3900s, but on ragged edge.

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		6/5/21	Same	CCI 200		H 4350	61.0	3864	168 fps gain over HHs. ES 25 ES 10, with supressor
257 Wby (bodean87)	90	26" Douglas/ Savage (<i>No twist data</i>)	Hornady	??	3.280	IMR4350	65.0 66.5	3790 3904	Slight ejector mark
257 Wby (Stevej farms)	90	26", 1:10	1X Hornady, Lee FCD ¼ turn	F 215	3.170	IMR 4350	63.0 64.0 65.0 66.0 67.0	3380 3458 3509 3557 3675	No pressure signs. Will go further (<i>See below</i>)
						IMR 4831	71.0 72.0 73.0	3761 3852 3968	Faint ejector swipe Ejector, flat primer, quit
						RL 26	62.0 63.0 64.0 65.0 66.0	3140 3137 3189 3271 3244	Nothing happening Much more room Need to jump 4 grs?
						IMR 7828SSC	71.0 72.0 73.0	3564 3677 3701	Slight primer flatten Primer
						72-75 touched	74.0 75.0	3766 3833	Primer Primer flat, slight eject

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257 Wby (stevejfarms)	90	26" Wby, 1:10	Hornady, 1X	F 215	3.170	IMR 4350 (cont.)	67.5 68.0 68.5 69.0	3788 3810 3856 3895	Slight ejector Hvy eject, stuck case!
.257	117	1-8.5"							
.264	97	1-9.5"							
6.5 Grendel (J Patzig)	109	16" Ultralite, AR-15	??	??	2.265	H4895 Power Pro Varmint Benchmrk H322 IMR 4198 H4198	29.0 C 31.6 C 30.0 C 29.8 C 25.8 C 28.0	2522 2598 2661 2662 2645 2750	All loads compressed H322 had best nodes and groups around 2,600 .5 moa, sd 4, es 8! Pressure, no accuracy 99HH seems to do better in short bbl Grendel. 2930 with 28.6gr H4198
6.5 Grendel (JMW67)	109	20" AR	??	??	??	H4198 H322 Benchmrk	??		2920 about max in all. No accuracy at max. Best accuracy around 2825-2850. 99gr Hammer Hunter shoots better – 1 ragged hole.
6.5 Creed (JMW67)	109	Rem 700cp 12"	Peterson srp, 1x.	CCI 450	2.720	CFE223	47.3	2934	.290 @ 150 yds! (this is a pistol!)

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			.004 nk tension						
6.5 Creed (19 Badger)	109	Tikka U Lite 1:8 tw	Lapua	450	2.700	IMR 8208 XBR	37 42.5	3270	Found pressure
6.5 Creed (Zen Archery)	109	1:8 TR 20" AR Krieger 24", 1:8	Hornady	F210 WLRM	2.750	Varget	41.0	2957	Can easily get 3000. Being conservative with primers Work up carefully!
						(Hot!)	44.0	3350	
						BLC-2	44.0 44.4 44.7	3185 3189	
						4064	44.0 44.4	3316 3333	
					2.715	Ramshot TAC	42.0 42.4 42.7	3266 3283 3346	Single shot case issue Grp .263, SD 69 Case issue Grp .590, SD 61 2 nd shot, blown primer .457, SD 20 .890, SD 35 Single shot, case issue .763, SD 27 2 nd shot, blown primer .657, SD 12 Blown primer
						4064	44.0 44.4	3312 3333	
						Varget	44.0 44.2	3350 3346	
6.5 Creed (Zen Archery)	109	20" bbl AR	Hornady	WLRM	2.750	Varget	44.0	3350	(Very Hot!)
6.5 Creed (Zen Archery)	109	24" bolt gun	Hornady	WLRM	2.710	Varget	44.0	3555	(very Hot!)

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6.5 Creed (cohunt)	109	Factory 21.5", 1:8	1x S&B	CCI 250	2.715	Varget	41.0 42.0 43.0 43.5	3129 3187 3238 3295	This rifle shoots 110HH @42 gr Varget @3150 Flat primer Blew primer, ruin PP
6.5 Creed (nwmnbow hunter)	109	Howa 1500, 22", 8 Twist	Hornady 1x, bumped .003	WLR	2.742	IMR 4166	40.3 40.6 40.9 41.2 41.5 41.8 42.1 42.4 42.7 43.0	2987 3011 3030 3074 3094 3116 3142 3168 3230 3225	40.3-41.8 all grouped together Maybe faint ejector? Ejector mark Bright eject, lt bolt
6.5-284 Norma (dougduy)	109	27" Krieger, 1:8	1x fired, Nosler, FL sized	CCI 250	2.952	HV 100	52.0 54.0 55.0 55.5 56.0 56.5 57.0	3239 3409 3440 3447 3494 3523 3558	Slight ejector, primer 0.44 grp 0.39 grp
				To check	groups @	56-56.5	56.5 57.0	3523 3558	
				Re-test (ES 29, SD	2/10 10.8 for	HV 100 both!)	54.2 56.0	3413 3511	
6.5x47 (Reeldawg)	123	24" 1:8	??	CCI 450	??	Varget CFE 223	40.0 41.5	3020 3055	Heavy bolt lift Going to go up

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6.5x55 (WarrenOl)	123	22 7/8, 1:8	New Lapua	F210	?	Varget	47.0	3095	Had slight bolt lift at 48.0 gr. 0.35" group at 47.0.
6.5 Creed (JustJon)	123	26", 1:7 MGM	2x Norma	F210M	2.870	RL 16	44.5 (comp)	3041	(note: powder too slow for AH)
"						IMR 3031	39.2	3031	No pressure
							39.5	3052	Blown primer!
						RL 10X	35.0	3056	No pressure
						Varget	41.5	3022	"
						CFE 223	44.9	3178	"
							45.2	3208	Blown primer!
						RL 15	41.9	3174	No pressure
							42.2	3205	Blown primer!
									Note: CFE and RL 15 produced 200 fps increase over 130 gr Berger
6.5 Creed (RockyMt)	123	Very rough	Chamber.	Data not	Good.	Varget Blc2 XBR8208			Best powders to test
6.5 Creed (Gord0)	123	26" Savage 12fv	Lapua sml rifle primer	Rem 7 1/2	2.872	Shooters World Precision	40.5	2990+	Slight ejector
							41.0	3007	Ejector swipe + bolt lift
							41.5	3036	
						H4895	37.5	2884	
							40.5	3039	Primer cratered
							42.0	3143	Ejector swipe
						R 16	45.0	3106	Used 12" drop tube

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		Update	4-16-21			Staball 6.5	45.0 46.0 47.0 48.0 48.5 49.0	2970 3014 3106 3173 3207 3232	No pressure Over pressure. Came on fast!
6.5 Creed (JTH)	123	Cooper 22" 1:8, suppressed	1X Hornady Peterson new	CCI 200 CCI 250	2.865 2.865	Varget Same 12/14 22F same	38.3 42.0 42.0 40.5 41.0 41.5 42.0	2706 2923 2917 2911 2911 2943 2976	ES 6, grp 0.51 ES 25, grp 0.60, ejector No pressure Stiff bolt, significant ejector
6.5 Creed (cooperjd)	123	Tikka T3x, 1:8, 24"	Lapua 1X fired	CCI 450	?	IMR 4166 (to approximate Varget)	36.0 37.0 38.0 39.0 40.0 41.0 42.0 42.5 42.8 43.0 43.3	2654 2757 2808 2864 2955 3082 3121 3146 3158 3181 3233	Slight bolt lift Bolt lift, ejector mark Blew primer!

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6.5 Creed (cooperjd)	123	24" Tikka, 1:8	Lapua small rifle, 2X	CCI 450	2.924 2.894	IMR 4166	42.0 42.3	3096 3095 3114 3115 3119	Best group 0.75
6.5 Creed (Longtine88)	123	Bergara 1:8, 24"???	Lapua	F 210 Changed primer to F 215	2.683 Changed to 2.759	StaBall 6.5	43.0 44.0 45.0 46.0 47.0 48.0 48.5 49.0 49.5 50.0 44.0 45.0 46.0 47.0 48.0 49.0 50.0 48.0	2831 2898 2944 2997 3057 3099 3124 3145 3163* 3230* 2921 2977 3022 3072 3128 3178* 3264* 3145av	44.5-45 same hole! Pwdr @ bottom/neck Note jump!!! Pressure found Same hole as 48.0 Found pressure Note jump* SD 5, ES 14
6.5 Creed (dougduey)	123	24" Proof, 1:8	Hornady 1X, Lee FCD Factory setting	CCI 250	2.825	IMR 8208	37.0 38.0 39.0 40.0	2852 2921 2980 3075	

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		100 fps	over my	124 hamm	80° F er load	BL-C(2) with RL 16	40.5 41.0 41.5 41.0 42.0 43.0 44.0 44.5 45.0	3094 3125 3151 2962 2960 3049 3119 3182 3235	Slight ejector Heavy eject, stuck bolt Chose 44.3 load, es 6 Ejector, very stiff bolt
6.5 creed (Zen Archery)	123	20" AR	Hornady, crimped	WLRM	2.810	BLC-2	44.0	3025	(Very Hot!)
6.5 Creed (Zen Archery)	123	24" bolt gun	Nosler, crimped	WLRM WLRM	2.885 2.890	BLC-2 same	44.3 44.8	3084 3175	(Very Hot!) (Very Hot!)
6.5 Creed (Zen Archery)	123	24" Krieger, 1:8		WLRM	2.890	IMR 4350 Superformance BLC-2	43.4 48.3 48.6 48.9 49.2 41.8 43.8 44.3 44.5 44.8 45.1 45.4	2860 3073 3009 3017 3103 2932 3086 3084 3150 3178 3214 3173	.385 .150 .325 .336 slight ejector Blown primer .318 .161 bolt sticky Primer starts flatten Flat primer, ejector

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260 Rem (hystaspes)	123	26" Sav, 1:8	Starline	F210	2.818	H 4895	38.2 38.8 39.6 39.8 40.0 40.2 40.4 40.6 40.8 41.0 41.2 41.4	2900 2943 2987 3009 3030 3040 3028 3047 3064 3073 3090 3115	Ejector mark Same Heavy bolt lift
6.5/284 (Pickens72)	123	27", 1-8" tw	Peterson	F 215	3.175	RL 19	56.5 57.5	3325 3400	3/8"@100 Sticky bolt
6.5 Sherman Short (Parshal)	123, .050 off lands	26" Proof Carbon, 1:8, with suppressor	ADG 6.5 SS, 1X	F210	?	RL 23 RL 16	56.5 61.5 56.0 57.0	3201 3442 3306 3344	Best node. SD 3, ES 6 Zero pressure, almost out of case capacity. To continue or change powder. Slight ejector marks above 60.5 Slight ejector
6.5-06 (hystaspes)	123	25.5", Sav 111	Win	F 210	3.325	H 4831	56.0 57.2 58.4 59.2 59.6	3035 3118 3182 3240 3260	

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							60.0	3271	Soft sticky bolt
6.5 SAUM (25WSM)	123	26" Proof	ADG	F215M	?	RL 16	59.0	3395	Both of these were max, but no flattening of primers or
	"	"	"	"	?	RL 23	62.5	3404	Hard bolt lift
***** Look!	"	"	"	"	2.928	Hybrid 100V	61.0 62.0	3502 3575 (Hot)	Group in the 1's! This is jammed .002 into the lands to help pressure get started. 62 grs gave an ejector mark @3575. Now I'm impressed as 3 shots look just like one bullet hole!
									One thing I noticed on these bullets is if you jam them any amount you really have to push the bolt forward real hard to get the handle to close. I'm only jammed .002 and it's noticeable. I shoot .015 jammed on a lot of my 1k barrels and never notice it. Seems like the band that hits the lands doesn't give. That's what gave me the idea to try it to help

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									ignition. Seems to work. .005 jam and I can't close my bolt on it. I am using .0025 neck tension. Shep
(25WSM) (cont.)	123	"	"	"	"	Super-formance	65.5	3595	
"	"	"	"	"	"	RL 22	62.0	3387	
"	"	"	"	"	"	Power Pro 4000	63.0	3495	
6.5 SAUM (Doc88)	123	24", 1:8 twist	ADG, .003 nk tension	CCI 250	2.925	RL 26	61.0 62.0 63.0- 65.0 66.0 67.0 68.0	3146 3351 3420 3497 3510	Settled on 66.8gr. 3470s. 0.5 to 500yds Heavy bolt, no ejector
6.5x284 (Eric H)	123	26"	New Lapua	CCI 250	3.042	H100 Hybrid V	53.7	3274	Good SD and ES down in the 52.2-52.8 range, 3200 fps range
6.5 PRC (Eric H)	123	24" Proof	New ADG	CCI 250	2.947	StaBall 6.5	59.3 59.5	3340 3370	ES 24, SD 12, 0.5 MOA Ejector mark, heavy bolt lift
				CCI 250	2.956	Super-formance	61.8	3420	Light ejector marks and bolt lift. Re-test 61.2-61.5. ES was only 6 fps.
				CCI 250	2.947	H4831sc	59.6	3220	Ejector and bolt

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				CCI 250	2.947	H4350	56.6	3245	Ejector and bolt
6.5 PRC (B LOT Banga)	123	26" Factory Brown 1:7	New ADG	CCI 250	2.965	H100V	54.0 59.5	3247 3514	Bright ejector mark
6.5 PRC (RogerPA)	123	Christensen 26", 1:8,	Nosler X2	F 215	2.915	IMR 7828	56.0 58.0 58.5 59.0 59.5 60.0	3035 3138 3186 3221 3237 3269	Acceptable accuracy and no pressure
						H 100V	56.0 57.0 57.5 58.0 58.5 59.0	3252 3335 3365 3368* 3412* 3430	(Bet you're getting close to pressure) Note jump Faint ejector Faint ejector Bright ejector
6.5 PRC (CMP70306)	123	24" Proof Prefit	Fired ADG	F 210 & CCI BR-2	????	H100V	58.2	3380	0.5 MOA, 10 rounds down new barrel
6.5 PRC (CMP70306)	123	24" Proof Prefit	ADG, Lee FCD second notch	F 210	2.940	IMR 4955	51.5 52.5 58.6 58.9 59.2 59.5	2885 2941 3292 3318 3345 3402	Ended up at 59.4 grs, 3358, Good groups but HOT
6.5 PRC (CMP70306)	123	18", twist??	New ADG, Lee FCD, 2 nd notch	F 210M	????	StaBall 6.5	58.0 58.3 58.6	3079 3057 3107	1 moa SD 6.3, ES 11, ½ moa
Also see above for 24"		26", twist??	Same	Same	????	same	58.0	3256	½ moa

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			To try	H100V			58.3 58.6	3199 3272	SD 5.4, ES 10, ½ moa
6.5 PRC (Hard rock)	123	1-8, 26" Proof	Hornady 1X, FCD 2 nd band	CCI 250	2.955	N 165	62.3 62.5 62.8 63.1 63.3 63.5	3360 3394 3396 3427 3441 3452	Compressed load. 58.3-63.5 6 bullets touching!
6.5-06 Ack Imp (GLTaylor)	123	26" Brux, 1:8	2X fired Lapua, Bumped .002, annealed, necks turned to .014, .002 neck tension, no crimp	CCI 250	3.386	Super- formance	60.7 62.0 Strong ejector mark	3472 3524	Tried 4 powders and 2 primers. RL 16 and N 550 too fast. N 560 too slow. Regular Fed and Rem Primers erratic in ignition. CCI 250s smoothed out ignition. Reached 3524, but accuracy was back at 3472 (.2- .5). SD 10, ES 24
6.5-06 AI (GLTaylor)	123	"	Lapua Peterson , FForm 270,	CCI 250 CCI 250	3.386 3.380	RL 23 RL 23	61.0 62.0 59.0 60.5	3452 3519 3360 3477	Light ejector and bolt lift. Powder to base of neck. Volume maxed out. Lightly com- pressed. 0.2 groups, sd 8, es 17

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			.003 nk tension, no crimp				62.0	3519	Lt ejector, light bolt lift Powder maxed out
6.5-06 Al (Rock Mtn)	123	28" McGowen bbl., 1:8	Peterson. Fireformed 270, trimmed	F215M	3.315	H100V	55.0 57.0	3460 3573	Best load Hot. Extractor mark and cratered primer.
6.5 Sherman (BEEMAN)	123	28" Hart, 1:8",	????	F 215	????	H 100V	56.0 57.0 58.0 59.0	3265 3332 3381	Over pressure Didn't shoot (disappointed)
6.5-280 Al (JMW)	123	26" Benchmark. 1:8	1X Peterson 280 necked down, turned to .014, .004 nk tension	CCI250	3.420	H100V N555 H4831sc RL 23	59.5 ? ? 62.5 62.2	3511 3550+ 3537	60.0 gave stiff bolt lift @62.2, jumped .040, .325moa at 150 yds
6.5 Sherman (Reeldawg)	123	26" 1:8	??	F 210M (powder	?? too slow)	RL 26	63.0	3357	.5 moa. <i>Need faster powder</i> to get full potential
6.5 Sherman MAX (lejuch)	123	22", Carbon Six, 7.5 tw,	Sherman (ADG) Max brass	210M	2.930	RL 26	59.0 61.0 63.0 64.0 65.0 66.0	2904 2981 3079 3143 3128 3192	Some skipped for space Sticky bolt

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						N565	59.0 61.0 63.0 64.0 65.0	2659 2763 2882 2931 2989	Sticky bolt
						H4831SC	52.0 55.0 56.0	2566 2660 2717	
						RL 16	56.0 57.0 58.0	2970 3027 3083	Sticky bolt
			3/16/21			H 100V	51.0 52.0 53.0 54.0 55.0 55.5	2838 2888 2937 2987 3011 3048	Pressure/sticky bolt
						StaBALL 6.5	53.0 54.0 55.0 56.0 56.5 57.0	2802 2831 2871 O data 2970 2991	Pressure/sticky bolt
			3/19/21			Varget	47.0 50.0 52.0	2875 2996 3107	

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Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
6.5 Wby (sebotex)	123	???	???	???	???	RL 26	68.0 ? 70.0	3245 3427	.296 grp
26 Nosler (RogerPA)	123	26", 1:8, Christensen	???? Nosler, 1X, .003 nk ten, no crimp	F215 (Powder F215	???? too slow) (3-3-21) 3.395	RL33 RL 25	78 79 80 78.0 79.0 80.5 81.0 81.5	3246 3284 3353 3376 3381 3501 3515 3542	Slow? All good accuracy. Ejector @ 80gr. Will stick with Hammer Hunter load Slight ejector mark Ejector, bolt lift
		Excellent Surpasses	accuracy 124	at all load Hammer	levels. Hunters	by 160 fps			
26 Nosler (Stevej farms)	123	26", 1:8	Nosler new	WLRM	3.300 77-80 3550 ain't	IMR 7828 Touching Bad anerage!	74.0 75.0 76.0 77.0 78.0 79.0 80.0 81.0 82.0 83.0	3291 3385 3403 3462 3506 3555 3585 3666 3695 3768	Faint ejector " " " " :, flat primer Slight eject, prim flat Ejector, flat primer Hvy eject, flat primer, heavy bolt lift,quit
6.5 Creed, (Mark@Exo)	129	20", 1-7.5, Proof	Lapua LRP	CCI 200	2.840	Varget	38.5 39.5 40.5 41.5	2709 2804 2850 2925	No pressure signs at top of either ladder. Bolt lift good, primers and brass looked good

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
						BL-C(2)	42.0 42.5 43.0 39.5 40.5 41.5 42.5 43.0 43.5 44.0	2950 2973 2999 2661 2730 2810 2895 2940 2983 3007	Will share final data and groups when done
6.5 SS (Lance Kenyon)	129	26" Proof, 1:7.5	ADG SS 2x fired, .002 nk tension, no crimp	F 215	3.000	H4350 37-49F	53.0 54.0 55.0 56.0 56.5 57.0 57.5 58.0	3079 3148 3188 3231 3259 3287 3331 3337	ejector mark ejector & bolt lift
6.5 SS (Lance Kenyon)	129	20" , 1:7.5", unknown brand	Same	Same	3.00	H4350 37-49F	58.5 59.0 59.5 60.0	3222 3262 3309 3343	ejector mark bolt sticky. Hot!
6.5 Sher Short (Brianc74)	129	18" Bartlein #3, 1:7.5	ADG 1X formed	CCI BR2	2.964	RL 16	58.5	3140 3130 3136	Elev 2900, 40° F
6.5 PRC, (azsugar bear)	129	20" Proof, 1-7.5, 22"	ADG	F 210	2.955	H4831 SC	55.0 59.0	2934 3095	Started with bullets seated with 1 drive

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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			55-58F	Humidity 35%		IMR 4451	56.0 58.0	No pressure 3118 3255	band showing. Went up in ½ gr increments Hit pressure above this. Sticky bolt 3326
6.5 Sherman MAX (GLTaylor)	129	26" Brux, 1-7.5",	ADG (Sherman)	CCI 250	Going to revisit this with regular primers	H 100V	52.0 57.0 60.0 61.5 62.0 62.5	2941 3168 3280 3350 3408 3439	All groups poor Hvy ejector Ejector + bolt, stop
						N 560	62.0 63.0 64.0 65.5	3048 3131 3182 3285	(skipped some to save space) Pressured out early?
				F 210	3.020	N560	64.0 65.5 66.5 67.0 67.5 68.0	3213 3304 3363 3417 3425 3437	Also tried CCI BR 2 primers. All groups marginal
				F 210	3.020	RL 26	64.0 66.0 67.0 68.0 68.2 68.5 69.0	3219 3315 3361 3412 3449 3453 3462	SD 2, ES 4!!! Light ejector, lt. bolt Same. Stop.

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
.264 Win Mag (RockMtn)	129	?? 1:7.5"	???	???	???	N565 RL 26	75.0 <i>No data</i>	3420	<i>No data. Not finished. This was MAX</i>
26 Nosler (stevejfarms)	129	26", 1:8	Nosler new FCD 1/8 turn	WLRM	3.450	H 4831	75.0 76.0 77.0 78.0	3340 3401 3452 3468	Ejector Bright eject, bolt lift
.270 Win (RogerPA)	116	Ruger 20" , 1:10, .003 nk, no crimp	Hornady 2x	F 215	3.298	IMR 4166 2/8	48.0 49.0 50.0 50.5 51.0 51.5 52.0 52.5 53.0	2889 2947 3016 3120 3128 3145 3113 3167 3192	Accuracy excellent No pressure Room for much more powder Slight flattening of primer. Happy to get this speed from 20" barrel
.270 Win (RogerPA)	116	Christensen 24", 1:10, nk ten .002	Nosler new	F210	3.330	IMR 4350 IMR 4064	57.0 58.0 59.0 60.0 51.0 52.0 53.0 54.0	3174 3214 3308 (C) 3327 3092 3163 3246 3335	Flat primer ok accuracy

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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				All @ 62° F		H 414	55.0 56.0 57.0 58.0 59.0 60.0	3404 3208 3248 3275 3311 3386	Slight primer, ok accuracy @60 grs, Outstanding accuracy , no pressure indications
.270 Win (nwmnbow-hunter)	116	Mod 70 Feather Weight, 22", 1:10 4-5 update	New Peterson, .002 nk ten Same rifle	F 210	3.330 update	H 4350 55° F 40°F 3 shots	56.0 57.0 58.0** 59.0 60.0 60.5* 61.0 62.0 60.5	3174 3260 3290 3356 3454 3415 3471 3401	**(58-59 hit together, ES 18, faint ejector) 3454 av-8 shots* 60-61 hit together Stiff bolt .874 group Rifle usually shoots 1" -1.5"!!!
.270 AI (ButterBean)	116	26", 1:10 Hvy Sporter	Win brass, .003 nk, Lee FCD 1/8 turn	CCI 200	2.275	H 4350	61.5	3519	SD 4.5, ES 9. Got to 3586 but was way hot
.270 Win (nwmnbow-hunter)	116	24" Kimber Montana, 1-10 Tw	Virgin Peterson	F 210	3.300	H 4350	60.5	3513 3517 3510 3518	Group .361

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
.270 Win (nwmnbow-hunter)	139	24.5" Bartlein 1:9	Nosler	F 210	3.345	H4350 30°F all	53.5 54.5 55.5 56.5 57.0* 58.0 58.5 59.0 59.5	2929 3038 3073 3127 3167 3225 3232 3257 3294	All were in a 3" group at 200 yds. *10 shots = 3162 av *8 shots = 3246 av faint ejector brighter ejector BRIGHT ejector
				Case fill Slightly	good here compresd				
.280 AI (RogerPA)	119	Chrstensen 24", 1:9,	Nosler, 2x, .003 nk ten, no crimp	F 215	3.325	H BLC-2 2/8	53.0 54.0 55.0 56.0 57.0 57.5 58.0 58.5 59.0 59.5 60.0	3028 3037 3113 3142 3185 3227 3331 3358 3375 3443 3497	Consistent accuracy with all loads. No pressure with any load. Much more room remaining Slight primer flatten Primer flattening
			Low recoil&	shoot in	tight little	group			
7 STW (eshore-bwhntr)	119	27" Krieger, 1:8.5, (old)	2xWW	F 215	????	Superform ance H 4831SC H 1000	70.0 72.0 73.0 74.0 75.0 75.5 76.5 77.5	3418 3391 3411 3459 3501 3360 3369 3476	Bolt click, primer ok Slight bolt, primer ok Velocity all over the place? Never did hit

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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						R 26	78.5 79.5 80.0	3517 3466 3522	pressure. Could have kept going.
							78.0 79.0 80.0 80.0?	3536 3562 3629 3611	Slight hint of click No click. Just wanted to shoot duplicate
7-08 AI (Wyosam)	130	18" McGowan, 1:8.5	Lapua 2X	F 215	2.810	H 4895	45.8	2995	<1 MOA to 500
7mm-08 (jebel)	140	22", 1:8	Lapua	CCI BR 2	2.875	Varget	45.5	2975	No pressure. Ran out of room in case at 46.0
7mm08AI (JMW67)	140	24" Bench mark, 1:9, Palma	Lapua, .004 nk tension,	BR2	2.925 (long action)	CFE223 Varget Pow Pro 2000 MR IMR 4166	48.5 47.0 49.2 45.2	3150 3082 3077 3042	No accuracy No accuracy Sd 5.8, .356 @150 2.1 SD, 5 shots into .30 cal hole!
280 AI (RogerPA)	140	24", 1:9.5	????	F 215M	????	Hybrid 100V	58 59 60 61 62	3129 3170 3216 3309 3317	Good accuracy with all, no pressure. I'll stick with 62 gr for this season

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
280 AI (Ross1147)	140	26" Bartlein 1:9	Peterson new	F 210M	????	RL 17	56.0 57.0 58.0 59.0 59.5 60.0	3149 3231 3291 3352 3365 3406	Slight ejector Slight ejector
280 AI (douguey)	140	24" Criterion, 1:9	Nosler new	F215M	3.335	H100V	63.4 63.6 63.8 64.0 64.2	3431 3441 3458 3475 3465	@75 degrees Groups ± 0.5 Ejector mark, locked up
280 AI (Hand Skills)	140	???	RP once fired (Crimped)	???	3.298	H4350	54.0 57.6	???	Case fill very good Bughole accurate
280 AI (stevejfarms)	140	22", 1:9	Nosler 1X	F 215	3.410	IMR 4350	56.0 57.0 58.0 59.0 60.0 61.0 62.0 63.0	2931 3015 3089 3141 3220 3257 3304 3348	Slight ejector Same Same <i>Bright</i> ejector Same <i>Blown primer!</i> Was surprised. Bolt lifted easily. In bright sunshine – didn't realize how bright the ejector marks were.
				Be more	Careful!!!				

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
280 AI (Bucks300)	140	???? FCD 1/4 turn	????	F 215	????	H 4350	58.5	3228	ES 16, one hole group
7 WSM (cohunt)	140	24", 1:9.5 tw, Factory	1X Bertram Brass	CCI 250	3.000	RL 16 180 faster than HH	63.0 64.0 65.0 66.0 67.0 68.0	3222 3268 3328 Missed 3399 3438	Probably will shoot 67.5 Max in my gun. Bolt lift & swipe
7 STW (Doc88)	140	26", 1:9 tw	Nosler, .004 nk tension	CCI 250	3.650	RL 26	80.0 81.0 82.0 83.0 84.0 85.0	3397 3458 3545 3569 3633 3671	All shot @ 65F, 0 altitude Will go with 83gr, no pressure, .5 group. Faint ejector mark Bolt lift and slight ejector mark
7 STW (justjon)	140	24" Wby, tw ?	???, .004 nk tn, 1/8 th T FCD	F 215	3.695	H 1000	81.0 81.5 82.0 82.5 83.0	3350 3356 3408 3428 3466	H 1000 Slow Es 8, Sd 5, grp .22 Es 30, Sd 15, grp .5b
28 Nosler (DEmerson)	140	27", 1:9, Brux	??	??	??	RL 26	??	3670	ES 2!
7 Rem Mag	140	25", 1:9 Lilja	??	??	??	RL 22	??	3400	Crazy accurate!

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
7 Rem Mag (cooperjd)	140	Rem 700, 24", 1:9.25	Norma, 2X	CCI 250	3.340	H 1000	69.0 70.0 71.0 72.0 73.0 74.0	2904 2944 3004 3024 3096 3127	H 1000 appears way too slow stopped
7 Rem Mag (cooperjd)	140	Rem 700, 24", 1:9.25	Norma 2x	CCI 250	3.300	IMR 4955	66.0 67.0 68.0 69.0 70.0	3055 Error 3173 3237 3320	Brass looked great, primers ok, some cratering @ 69-70, still room – to continue. Noticeable recoil increase @ 69 grs.
28 Nosler (retumbo)	140	26", CA Ridgeline, 1:9	New ADG, 1/8 turn, Lee Factory Crimp	F 215M	3.403	IMR4955 (65°F) IMR7977 (29°F) Retumbo (29°F)	75.0 76.0 77.0 78.0 79.0 82.0 84.0 86.0 87.0 88.0 86.0 88.0 89.0 90.0 91.0	Battery Not Working 3358 3472 3565 3584 3652 3472 3574 3613 3642 3693	Not a good powder Choice. Pressures too Quickly. Faint ejector ejector and bolt faint ejector Ejector Ejector and bolt lift. Not pleased with non-correlated velocity jump Faint ejector Ejector mark Ejector and bolt lift

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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						Want to try N570	92.0	3724	Ejector, bolt and leaking primer (Too hot)
280 AI (RogerPA)	154 (Dead Blow)	Christensen , 24", 1:9,	Nosler 3x, nk tension .003, no crimp	F 215	????	H 100V (24° F temp)	55.0 56.0 57.0 58.0 59.0 60.0 61.0	2882 2950 3019 3047 3124 3146 3194	Never any bolt lift. Whole lot shot 1 ½" @100 yds. My twist isn't ideal Slight ejector Slight ejector Primer flattening/ ejector. Quit
280 AI (BEEMAN)	154 (Dead Blow)	24" IBI, 1:7.5"	???	F 215	???	H 100V	55.0 56.0 57.0 58.0 59.0	2960 3011 3040 3093 3125	Primers seemed to flatten even at 55 gr?
7 Rem Mag (Longtine88)	154 (Dead Blow)	24" Proof, 1:8	Nosler new	F 215	????	R 23	60.0 61.0 62.0 63.0 64.0 65.0 66.0 66.5 67.0 67.5	2849 2890 2960 3005 3060 3072 3204 3204 3225	No pressure Primers flatten some Primers plus ejector And sticky bolt. Stop
7 Rem Mag (Longtine88)	154 (Dead Blow)	24" Proof, 1:8	Nosler new, neck ten .003	F 215	????	RL 16	57.0 58.0 59.0	2893 2920 2963	45° F

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
							60.0 61.0 62.0 63.0	3022 3042 3088 3130	Slight ejector Slight bolt, ejector
						H 4350	60.0 61.0 62.0 63.0 64.0	2982 3044 3082 3126 3148	Slight ejector Slight bolt lift
						RL 26	65.0 66.0 66.5 67.0 67.5 68.0 68.5 69.0	3034 3087 3089 3146 3129 3179 3184 3212	Slightly flat primer Slight bolt, slight eject
						H 4831	65.0 66.0 67.0 68.0 68.5 69.0 69.5	2953 3016 3068 3112 3142 3137 3174	Best node Primer flatten, bolt lift
7 SAUM (RogerPA)	154 (Dead Blow)	22" Gunworks, 1:8.5 twist	Nosler 1x, .003 Neck ten, no crimp	F 215	2.900	Hybrid 100V	59.0 60.0 60.5 61.0	2988 3009 3066 3091	No pressure, excellent accuracy. Goal was to match drops in custom turret for 168

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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				GOOD	JOB!!!		61.5	3121	Berger @2920. 3066 Matches exactly to 600. Gonna quit. More room in case!
7 saum (RH300UM)	155	Broughton 26", #4, twist ?	1X, annealed, ADG. Neck turned to .016, Necks <u>Are</u> crimped	CCI (?)	2.966	RL 26	67.0	3348	Very accurate. Groups of .240 for 3 shots.
7 Saum (RH300UM)	155	26", 5C, Broughton, 9 twist,	ADG, 1X, necks .016, annealed, bumped .002, .002 nk tension	F215GM CCI250	2.966,	RL 26	67 grs	3326 3348 with CCI250, ES 6	I did load 2 at 68grs compressed. Vel 3439, primer flow into firing pin hole. 67 is high as I would go. The saum much preferred CCI 250 primers. 0.4moa group @ 1000!
7 RBH (7mm/338 Norma Mag Imp) (RH300UM)	155	26" Proof, 8.4 twist	Lapua, 1X, annealed, bumped .002, .002 nk tension	F215GM	3.400,	RL 26	92 grs	3620	Pressure, bolt stiff at top of stroke. The 7SAUM showed the better of the 2 for accuracy. The RBH is throated for 195 Bergers, so the jump is very substantial for the 155s

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
280 AI (MagMan)	155	28" Brux, 1:8	Peterson	CCI 250	3.430	H100V	59.5	3176	Ejector mark
280 AI (WarrenO)	155	?	Peterson	F215	?	H4831sc	63.0	3069	<i>Incomplete data Bullets Not Stabilized</i>
280 AI (RockyMtn)	155	?	Peterson	F215M	?	RL 16	?	3320	<i>Incomplete data</i>
280 AI (SeboCrek)	155	1:9 twist, 24" Cooper	Nosler	CCI LR BR2	3.320	H4831sc	59.0	2930	Abandoned Project <i>Would not stabilize</i>
.280 AI (NCalRiceG)	155	22" Savage	New Peterson	F215GM	3.360	W760	55.0	?	Hit pressure at 55.0. Going to back off to 54.0 grs. Groups quarter sized.
.280 AI (Dmagma)	155	??	??	??	??	N550	50.0 ? 60.0	2812 ? 3230	Have used N565 & H4831. N550 was fastest. Blown primer @ 60.0 grs
280 AI (Wyosam)	155	22" Carbon Six, 1:8	Nosler 1X	F215	3.330	RL 23	59.2	3039	0.75 MOA to 600
280 AI (rh300um)	155	27" Brux, tw ??	Peterson, 0.0015 nk tn	F 210	3.366	RL 16	59.4 59.8 60.2 60.4 60.6	3233 3236 3256 3275 3274	Best Light ejector mark Shiny ejector Ejector & bolt lift stop

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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280 AI (slickyboyboo)	155	27" Brux, tw ??	Peterson 1x, 0.015 nk tn	F 210	3.366	RL 16	59.4 59.8 60.0 60.2 60.6	3233 3236 3248 3256 3274	Node here Light ejector Shiny ejector, bolt lift+
7 STW (SeboCrek)	155	24" Wiseman	Nosler	WLRM	3.745	RL 22	73.0	3030	All shots touching, but slower than 160gr Sledge Ham
7 STW	155	24" Wby Factory	1X Winchester, bumped .002, annealed, .003 nk tension, no crimp	215 Fed	3.695	RL 25	80.5	3071	<i>Powder too slow?</i>
7STW (JustJon)	155	<i>No Data</i>	<i>?</i>	<i>?</i>	<i>?</i>	H1000	82.0	3299	Groups 0.7
7mm Allen Mag (@Fifty driver)	155	<i>No data</i>	<i>Similar</i>	<i>results at</i>	<i>90+ grs of</i>	Retumbo	99.0	3560	<i>Not much gain with Absolutes over cup and core above 90 gr powder</i>
7 STW (dougduey)	172	26" Carbon Six, 1:8	Nosler, 3-5, annealed	CCI 250	3.700 (max mag)	R 26	74.0 76.0 77.0	3067 3140 3191	

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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				I'll end up	between	78-78.5	77.5 78.0 78.5 79.0	3206 3248 3267 3283	Slight compress, stiff bolt, light ejector
308 Win (Grifm)	151	Win M70, Factory, 22", 1:12	Lapua, .006 nk tension, 37°F	Fed 215	2.863	IMR8208 XBR	43.5 44.5 45.5 46.0 46.5 47.0 47.5	2711 2786 2861 2882 2929 2951 2971	Never found pressure Load compresses @ 47.5. Shots all touched @ 46, 46.5 & 47.0grs Will test Benchmark for more velocity
			48°F			Hodgdon Benchmrk	42.0 45.0 46.0 47.0 47.5 48.0	2688 2875 2922 2999 3004 3034	May try another powder. Want 3100. Will use Benchmark, more temp stable
	More tests	2-5-21	45°F			Retest	47.0	3055	Slight bolt, slight ejector SD 10, ES 28
			??	F 210	2.880	Benchmrk retest	45.5 46.5 47.0 47.5 48.0 48.5	2912 2966 3026 3044 3044 3093	Lt bolt, Lt ejector Easy bolt, no ejector Easy bolt, no ejector Slight bolt, slight eject
		1/18/21	54°F	F 215	2.863		45.0	2724	

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
New Data		6/4/21	.006 nk ten +1/8 th turn, FCD	Changed to 210M	Same	Alliant PP Varmint	46.0 47.0 48.0 49.0 50.0 50.5 51.0 51.5 52.0 52.5	2778 2838 2912 2959 2997 3016 3045 3099 3096 3135	Will stay here/lower Bolt ok, slight ejector Stiff bolt, strong eject
						Same Alliant Power Pro	48.0 49.0 50.0 51.0 51.5 52.0 52.5	2917 2962 3025 3073 3087 3132 3140	Gained a bunch going to std primer! Easy bolt lift, no ejector
308 Win (retumbo)	151	23", 1:10 Bartlein,	Win	Fed 210 1/8 turn LFCD	???	N 120	37.0	No chrony	Pressured out, ej mark, lots of capacity left, too fast, H322 prob. better
308 Win (helsyeah)	151	22", 1:10, Rem 788	2X fired, TA (military)	CCI 250, .003 nk ten .003 nk ten	2.805	AR Comp 45°F PP2000 MR 45°F	40.5 42.0 43.0 48.5 51.0 52.0	2714 2814 2852 2685 2789 2825	Hard bolt lift Hard bolt lift

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
				.003 nk +1/8 turn crimp		H335 35°F	44.0 44.5 45.0 45.5 46.0	2748 2809 2816 2848 2903	Stiffish bolt lift
				.003 nk ten +1/8 turn crimp		H322 35°F	41.0 41.5 42.0 42.5	2726 2795 2795 2834	Hard bolt & extractor
.308 Win (rieckman)	151	16" bbl, 1-10" tw	JP Match Did better with no crimp	F 215	OAL 2.872	IMR 8208 41°F	45.4 45.7 46.0 46.3 46.6 46.9 47.2	2717 2762? 2734 2772 2804 2821 2819	.479 group es13, sd5
308 Win (roux)	151	Wby 24", 1-10 tw	Lapua, .002 nk ten, 1/8 th T FCD	F 215	OAL 2.870	IMR 8208	45.0 46.0 47.0 47.5 48.0 48.5	2920 2951 3030 3053 3079 3108	47-48 grouped to 1 moa
308 Win (helsyeah)	151	Rem 788, 22", 1-10"	Military, 2X, .003 nk tn, 1/8 th crimp	F 210	OAL 2.805	Alliant Pro Varmint 75°F	47.0 47.5	Stiff bolt Hrd bolt stop	Gun pressures out early.
30/06 (Willfrye)	151	Factory T3	Federal 1X fired	Win LR	??	Varget	49.0 55.0	2717 3044	

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
							56.5 57.5	3132 3187	ES 11! Slightly compressed Small ejec mark (stop!)
300 WM (just-jon)	151	24" Factory Remington	New Peterson Long	F 215	3.516	StaBALL 6.5 No pressure signs present	77.5 78.5 79.0 79.5 80.0 80.5 81.0 81.5	3363 3402 3443 3459 3453 3455 3485 3503	Accuracy <1" for all charge wts.; ES sub 20. "0" ES @ 79 a first! Plan to test higher ES 14 SD 9.9 .22" 17 18.4 .66" 11 5.4 .82" 15 7.5 1.13"
300 WM (bojo34)	151	26", 1-9 tw, crimped 1/3 FCD	Nosler	F 215	OAL 3.380	H 100V	78.0	3564	Sd 3.7, es 10
300 RUM (Farleg) <i>Australia</i> (Welcome!)	151	25 7/8", 1:11 twist	Bertram, once fired, ¼ Lee Factory Crimp	F 215M	???	<i>AR 2209</i> (H4350)	95.5 96.6	3752 av 3804	(LOOK!) es 23 @50F Too Hot! Very stiff bolt. Primer pocket ruined PBR 387yds. Hold hair to 450!! 6" vital zone
.308. (JMW67)	162	22" Krieger, Twist ???	Peterson SRP	CCI 450	2.970	H4895	46.0	2927	<i>To test more powder</i>

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
.308 (JMW67)	162	22" Benchmark Twist ???	Peterson SRP .003 NK tension	WSR	2.800	Benchmrk	44.5	2921	ES 4, grp <0.5 6 ½ lb rifle. 5X scope. First load I tried!
.308 W (rbtanzan)	162	Kimber 22", 1-10 tw	Starline 1x, FCD	Rem 9 ½ M	???	H 4895	46.3	2895	Sub moa
30-06 (douguey)	162	22" Factory Savage, 1:10	Hornady new	CCI 250	3.335	IMR4350 Benchmrk	60.0 47.0 52.5 53.0 53.5 54.0 54.5	2969 2739 3000 3026 3055 3084 3108	Waaay slow. Accurate. ES 4, 0.5moa @3025 Slightly stiff bolt lift Ejector mark, bolt lift
30-06 (randonee)	162	24" Fieldcraft Tw ???	Win	F 215M	3.360	H4350 36F	56.0 56.8 57.2 58.0 58.4	2878 2908 2953 2971 2966	Compressed
30-06 (randonee)	162	"	"	"	"	Varget	49.0 50.5 51.5 52.5 53.5 54.5 55.0 55.5 56.0	2740 2839 2866 2940 2988 3032 3033 3077 3085	Tested 54.5 load. One group 0.43, another at 0.29 Av vel 3032 Very faint ejector Same. Case not full

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
300 WSM (Muddy boots)	162 								

300 WSM (Muddy boots)	162	Preferred 26", Twist 1:10	Hornady	F 215	2.900	RL 16	62.0 63.0 64.0 65.0	3030 3079 3129 3182	Slight bolt – stop				
	Some of	the powder	tested was	too slow	for AH's	IMR 4064	57.0 58.0 59.0 60.0	3030 3072 3137 3182		Mod bolt lift – stop			
							Varget	58.0 58.5 59.0 59.5 60.0 60.5			3051 3072 3093 3127 3144 3144	Slight bolt lift Slight bolt lift Moderate bolt – stop	
								W 760			65.0 66.0 67.0 68.0		3100 3152 No vel 3244
									H 380		61.0 62.0 63.0 64.0 65.0 66.0 66.5		? ? 3155 3167 3205 3244 3284
						RL 17				66.0	3300		Mod bolt lift – stop Guess I started too high

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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300 WSM (dougduey)	162	24.75", Sako, 1-11	Norma new .002 nk ten + FCD	WLRM	2.920	H 380	62.0 63.0 64.0 65.0 66.0 67.0 68.0 68.5 69.0 69.5	2921 3009 3076 3070 3149 3219 3252 3244 3252 3329	Nice ½ moa group here Pressure here.
			(3-3-21)	May try same	Some same	StaBall6.5 W 760	70.5	3247	No pressure yet-full?
300 Win Mag (brentwinkey)	162	Tikka 24", 1-11" tw	Nosler	CCI 250	???	RL 16	74.0 75.0 76.0 77.0 78.0	3286 3372 3390 3404 3460	75-78=3/4 moa Slight ejector More eject, some bolt
30/06 (RockMtn)	178	26" factory Rem, 1:10	Lapua	F215M	3.560	H100V	61.0	3080	Shoots 7/8" at 200yds. (Gives Win Mag Performance!)
"	178	"	Winchester	WLRM	3.560	H100V N555	60.0	3036	Max. Primer leaked gas N555 too slow
30-06 (cohunt)	178	Rem 21" Twist 1:10	Rem (multi fired)	CCI 250	3.520	R 16	56.5 57.0 57.5 58.0 58.5	2828 2851 2868 2881 2932	

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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					12/20, 27°F	R 23	59.0 61.0 61.5 61.7	2948 2900 2814 2908	ES 4, grp .750 Used 20" drop tube Too slow
						R 26	64.0		
						Varget	47.0 47.5 48.0	2502 2641 2658	
30-06 (Griffm)	178	Rem 22", 1:10, .005 nk tension	Nosler	F 215	3.506	H 4350	56.0 57.0 58.0 59.0 59.5 60.0 60.5	2564 2600 2682 2745 2771 2800 2797	No pressure Will try Varget next Out of room/powder
300 MAX (Brianc74)	178	18" Bartlein #3, 1:9	ADG form brass	CCI 250	3.018	RL 16	66.1	3006 3001 3004	2900 elev, 40° F
300 WSM (cohunt)	178	24" factory, 1:10	1X Norma	CCI 250	3.075	RL 16	64.0 65.0	3110 3153	Flat primer, lt, ejector Ejector & bolt lift Need faster pwdr
300 PRC (DEmerson)	178	26", 1:9, Hart	??	??	??	RL 26	??	3350	

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
300PRC (RogerPA)	178	26" Christensen 1:8, .003 nk tension	Hornady (2X)	F 215M	3.624	RL 23 25°F during tests 12/29/20 27°F To 79.5grs to hunt	75.0 75.5 76.0 76.5 77.0 77.5 78.0 78.5 79.0 79.5 80.0	3092 3101 3127 3139 3163 3180 3198 3221 3252 3261 3295	No pressure signs noted with any load. Still room in case. Will try further Accuracy excellent Groups ¾" @ 200 yds Slight flattening primer and slight ejector
				Edit 1/11/2021	Backed off				
300 Win Mag (justjon)	178	24", Factory Rem, 1:10	Win New	F 215M	??	RL 26 H1000	78.0 80.0 79.0 81.0	3078 3167 2922 3029	ES and SD were what I've come to expect from Hammers. All groups under ¾" @ 100. H1000 shots lights out .44, not happy with speed of H1000, but highest ES was 11.
				F 215	3.687	Staball 6.5	73.0 78.0 79.0	3080 3215 3278	Excellent accuracy Heavy ejector
300 Win Mag (JTH)	178	24" (with a suppressor)	Peterson Win Mag Long, Crimped	CCI ???	3.600	H4350	70 72 74.5 76.0	3009 3093 3225 3281	SD 6, ES 13 SD 7, ES 14, 0.46 grp SD 4, ES 8, 0.46 grp SD 4, ES 8, 0.613 grp

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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300 Win Mag (RockMt)	178	?? no data (Factory?)	Gunwerks	F215M	3.600	RL 23 RL 16 6.5 StaBALL	78.0 72.0 79.0 75.0 80.0 Add crimp	3239 3171 3450 3288 3430 3440	Too slow. Pwdr half way up neck Ejector mark, Too Hot! Solid 300 RUM performance!
300 Norma (cmor)	178	Gradous, 26", 1:10	Lapua Gonna shoot 88.8	F 215 @3405	3.470 ¼" group	R26 LOW SD	85.0 86.0 87.0 88.0 89.0 89.5 90.0 90.5 91.0	3252 3265 3282 3342 3400 3422 3415 3435 3468	85.0-90.5 made a group that was a little under an inch! Slight bolt lift, out of rest of group
300 RUM (RockMtn)	178	26? Hells Canyon	ADG	?	3.790	RL 26 N565 Retumbo	97.0	3515	About 120fps gain over 181HH. All powders performed about the same. It appears the high capacity cartridges have about maxed out in speed at 100 grs. of powder.

Cartridge	Absolute Hammer Bullet Weight	Barrel Length	Brass and Prep	Primer	COAL	Powder	Charge	Velocity	Notes
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300 RUM (MagMan)	178	26" Lilja, 1:10 twist	New ADG	F215	3.670	RL 26	94.5	3406	
338 Lapua Imp (RockMtn)	262	No data	No data	No data	?	?	?	Same as 260HH	It appears that when we get to cartridges approaching 100 g powder capacity, we may have reached the end of the velocity advantage of the Absolutes.