

# 6x45 Load Data

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This is a compilation of data from many sources. I greatly appreciate the time and effort of all those involved and their generosity for sharing their data. **Special Warning:** The 6x45 is a WILDCAT CARTRIDGE based on the .223 Remington. There are a variety of 6x45 chambers on the market. Some of these chambers have freebore and some do not. Be very certain of your equipment and use good loading practices. While the load data provided here is perfectly safe in the firearms used, I (we) make no warranty as to the suitability for use in any firearm.

## 55gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
AA-2015BR	25.5	3084				2.260	WSR	FC	20	Nosler BT		HL-255
BL-C(2)	30.6	3190	49.1KCUP									
8208XBR	27.3	3295	52.0KPSI									
H-4895	28.6	3200	49.1KCUP									
H-335	29.0	3134				2.260	RP 7½	FC	20	BlitzKing		HL-255
H-335	28.0	3039				2.260	RP 7½	FC	20	BlitzKing		HL-255
TAC	27.5	3101				2.260	WSR	FC	20	Nosler BT		HL-255
X-Terminator	26.5	2995				2.260	WSR	FC	20	Nosler BT		HL-255
X-Terminator	28.4	3389	51.6KPSI			2.260	WSR		24	Nosler BT		Ramshot
X-Terminator	28.4	3388	51.1KPSI			2.260	WSR		24	BlitzKing		Ramshot
X-Terminator	28.4	3434±1	51.8KPSI	3	40	2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
X-Terminator	28.4	3350	53.1KPSI	2		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
X-Terminator	27.6	3390±21	53.0±1.3KPSI	5	54	2.379	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	28.0	3409±10	53.9±1.8KPSI	5	50	2.379	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	28.4	3423±12	54.6±2.0KPSI	5	50	2.379	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	28.8	3475±11	54.8±2.0KPSI	5	55	2.379	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
Benchmark	26.4	3262	41.6KPSI	3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
Benchmark	26.6	3204	46.2KPSI	3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
Benchmark	27.0	3305±12	50.8KPSI	3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
Benchmark	27.4	3380		3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
H-322	25.0	3136				2.260	WSR	FC	24 AR	BlitzKing		HL-255
H-322	25.2	3136±11	44.0KPSI	3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
H-322	26.2	3257±20	49.2KPSI	3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
H-322	27.0	3388		3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
VV-N133	27.0	3453±10	46.0KPSI	3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
VV-N133	27.5	3518±22	56.1KPSI	3	40	2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
VV-N133	28.0	3561±8	58.0KPSI	3		2.379	RP 7½	LC-10	26	Nosler BT		Buck #2
VV-N135	27.4	3050	52.0KPSI									
VV-N140	28.9	3100	52.0KPSI									
N201	27.5	3255	52.0KPSI									
N202	29.4	3250	52.0KPSI									
RL-10X	24.8	3200	52.0KPSI									

## 58gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
AA-2015BR	26.0	3155				2.260	RP 7½	FC	20	V-MAX		HL-255
Varget	29.3	3180	52.0KPSI									
BL-C(2)	30.3	3150	49.2KCU P									
8208XBR	26.9	3240	52.0KPSI									
H-4895	28.7	3160	49.0KCU P									
H-335	28.2	3230	49.0KCU P									
Benchmark	27.0	3200	52.0KPSI									
H-322	25.0	3161				2.260	WSR	FC	24 AR	V-MAX		HL-255
H-335	27.0	2951				2.260	RP 7½	FC	20	V-MAX		HL-255
TAC	28.0	3089				2.260	RP 7½	FC	20	V-MAX		HL-255
X-Terminator	26.1	3214		10		2.280	Win		24	V-MAX		5spd
X-Terminator	26.1	3238		10		2.280	Win		24	Z-MAX		5spd
X-Terminator	27.8	3340	54.0KPSI			2.260	WSR		24	V-MAX		Ramshot
X-Terminator	27.8	3381	51.8KPSI	3	40	2.350	RP 7½	LC-10	26	V-MAX		Buck #2
VV-N133	26.8	3190	52.0KPSI									
VV-N135	27.2	3000	52.0KPSI									
VV-N140	28.6	3055	52.0KPSI									
N201	27.2	3160	52.0KPSI									
N202	29.0	3225	52.0KPSI									
RL-10X	24.4	3120	52.0KPSI									

## 60gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
W-748	25.6	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra

W-748	26.4	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
W-748	27.3	3000				2.260	Fed 205	FC	24	Sierra HP		Sierra
W-748	28.1	3100				2.260	Fed 205	FC	24	Sierra HP		Sierra
W-748	29.0	3200	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
BL-C(2)	30.0	3156	50.0KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
BL-C(2)	28.0	2925	41.5KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-335	27.0	2941				2.260	RP 7½	FC	20	Sierra HP		HL-255
H-335	27.5	3160	47.5KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-335	25.5	2958	44.5KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-335	29.5	3364				2.260	RP 7½	LC 79	22	Sierra HP		HL - 131
H-335	23.2	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra
H-335	24.4	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-335	25.5	3000				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-335	26.7	3100				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-335	27.8	3200	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
8208XBR	26.7	3190	52.0KPSI									
H-4895	27.5	3102	48.5KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-4895	25.5	2872	40.0KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-4895	27.7	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra
H-4895	25.5	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-4895	26.4	3000				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-4895	27.2	3100				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-4895	28.1	3200	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
Benchmark	26.8	3150	52.0KPSI									
H-322	25.0	3097	47.0KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-322	23.0	2849	39.5KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-322	29.0	3246				2.260	RP 7½	LC 79	22	Sierra HP		HL - 131
H-322	24.5	3057				2.260	WSR	FC	24 AR	Sierra HP		HL-255
H-322	23.0	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra
H-322	23.7	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-322	24.3	3000				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-322	25.0	3100				2.260	Fed 205	FC	24	Sierra HP		Sierra
H-322	25.6	3200	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
H-4198	21.5	2956	50.0KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
H-4198	19.5	2617	36.5KCUP			2.260	Fed 205	RP	24	Sierra HP		Hodgdon
IMR-4198	21.3	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra

IMR-4198	21.9	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
IMR-4198	22.6	3000	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
IMR-4198	24.0	3211				2.260	RP 7½	LC 79	22	Sierra HP		HL - 131
IMR-3031	24.4	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra
IMR-3031	25.2	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
IMR-3031	26.0	3000	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2015BR	23.3	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2015BR	23.9	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2015BR	24.6	3000				2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2015BR	25.3	3100	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2015BR	25.5	3092				2.260	RP 7½	FC	20	Sierra HP		HL-255
AA-2495BR	23.7	2800	Min.			2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2495BR	24.4	2900				2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2495BR	25.0	3000				2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2495BR	25.7	3100				2.260	Fed 205	FC	24	Sierra HP		Sierra
AA-2495BR	26.3	3200	Max			2.260	Fed 205	FC	24	Sierra HP		Sierra
TAC	27.5	3040				2.260	WSR	FC	20	Sierra HP		HL-255
X-Terminator	26.5	2967				2.260	RP 7½	FC	20	Sierra HP		HL-255
X-Terminator	28.0	3320	54.1KPSI			2.260	WSR		24	Berger HP		Ramshot
VV-N133	26.5	3140	52.0KPSI									
VV-N135	27.0	2970	52.0KPSI									
VV-N140	28.5	3040	52.0KPSI									
N201	26.9	3110	52.0KPSI									
N202	28.7	3190	52.0KPSI									
RL-10X	24.1	3055	52.0KPSI									

## 62gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
BL-C(2)	29.5		50.5KPSI	3		3.335	RP 7½	RP	26	Berger HP		Buck#2
X-Terminator	25.6	2953	45.1KPSI			2.260	WSR		24	Barns VG		Ramshot

## 65gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	28.5	3108±9	54.5±2.4	5	45	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
BL-C(2)	28.9	2879	Normal			2.250	WSR	MAL	20 AR	V-MAX		5spd
8208XBR	26.3	3090	52.0KPSI									
H-4895	27.7	3070	49.1KCUP									
H-335	27.5	3160	MAX			2.260	RP 7½		22 AR	Hdy.		Venatic <sup>1</sup>
H-335	27.5	3211±8	56.9±1.9KPSI	5	58	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
H-335	27.4	3005	Normal			2.250	WSR	MAL	20 AR	V-MAX		5spd
H-335	27.0	3158	48.1KPSI			2.349	RP 7½	WW	26	V-MAX		Buck #2
Benchmark	26.2	3148±9	55.7±1.3KPSI	5	45	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
H-322	24.0	3012				2.260	WSR	FC	24 AR	V-MAX		HL-255
H-322	25.0	2970				2.265	RP 7½		22 AR	Hdy.		Venatic <sup>3</sup>
H-322	25.0	3055±22	54.4±1.1KPSI	5	45	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck#2
TAC	27.0	2975				2.260	WSR	FC	20	V-MAX		HL-255
TAC	26.8	2974±2	46.1KPSI	3		2.385	RP 7½	RP	26	Berger HP		Buck #2
TAC	27.5	3103±16	52.1±1.9KPSI	5	45	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
TAC	28.2	3178±7	53.4±3.4KPSI	5	43	2.349	Wolf 223	PMC	26	V-MAX	HBN	Buck #2
TAC	28.2	3213±16	55.0±2.4KPSI	5	50	2.349	Wolf SRM	PMC	26	V-MAX	HBN	Buck #2
TAC	28.6	3285±32	58.0±1.3KPSI	5	50	2.349	Wolf 223	PMC	26	V-MAX	HBN	Buck #2
X-Terminator	26.0	2954				2.260	WSR	FC	20	V-MAX		HL-255
X-Terminator	26.0	2925	Normal			2.250	WSR	MAL	20 AR	V-MAX		5spd
X-Terminator	26.8	3153	54.3KPSI			2.260	WSR		24	V-MAX		Ramshot
X-Terminator	26.0	3148±18	55.6±1.8KPSI	5	60	2.349	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
X-Terminator	26.4	3206±10	55.6±2.4KPSI	5	55	2.349	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
X-Terminator	26.8	3232±14	56.6±2.4KPSI	5	55	2.349	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
X-Terminator	27.2	3271±23	58.4±2.6KPSI	5	58	2.349	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
X-Terminator	27.2	3266±14	56.9±2.2KPSI	5	50	2.349	CCI BR2	PMC	26	V-MAX	HBN	Buck #2
X-Terminator	27.2	3213±25	56.3±1.0KPSI	5	43	2.349	Wolf 223	PMC	26	V-MAX	HBN	Buck #2
VV-N133	25.9	3236±17	58.3±2.5KPSI	5	45	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
VV-N135	26.5	3189±23	57.7±1.8KPSI	5	45	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck #2
VV-N140	28.2	2960	52.0KPSI									
N201	26.2	2970	52.0KPSI									
N202	28.3	3182±14	55.1±1.0KPSI	5	45	2.347	RP 7½	LC-10	26	V-MAX	HBN	Buck #2

RL-7	23.4					2.260	RP 7½	WW	22 AR	Hdy.		Venatic <sup>2</sup>
RL-10X	23.4	2910	52.0KPSI									
AA-2015	24.0	2793	Normal			2.250	WSR	MAL	20 AR	V-MAX		5spd
AA-2015	24.0	3171	Normal	5		2.280	WSR		24	V-MAX		5spd
AA-2015	24.2	3067	Normal	5		2.280	WSR		24	V-MAX		5spd
AA-2015	24.4	3025	Normal	5		2.280	WSR		24	V-MAX		5spd
AA-2015	24.8	2984	Normal	10		2.250	WSR	MAL	20 AR	V-MAX		5spd
W-748	28.0	2742	Normal			2.250	WSR	MAL	20 AR	V-MAX		5spd
<b>Notes:</b> <sup>1</sup> Dirty. Good speed, good accuracy. Too hot for warm weather. Modest SD. 0.565" and 0.098" (three shots) at 100 yards. DTech AR. <sup>2</sup> Shot very well .604" group. DTech AR. <sup>3</sup> Very Accurate.												

## 66gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	28.4	3090	52.0KPSI									
BL-C(2)	29.5	3045	49.2KCUP									
IMR-8208XBR	26.1	3065	52.0KPSI									
H-4895	27.6	3050	49.1KCUP									
Benchmark	25.9		52.0KPSI									
H-335	27.3	3090	49.2KCUP									
H-322	24.8	3020	48.0KCUP									
TAC	27.3	2940	52.0KPSI									
VV-N133	25.7	3000	52.0KPSI									
VV-N135	26.4	2850	52.0KPSI									
VV-N140	28.1	2950	52.0KPSI									
N201	26.0	2950	52.0KPSI									
N202	28.2	3110	52.0KPSI									
RL-10X	23.2	2900	52.0KPSI									

## 68gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	28.3	3060	52.0KPSI									
BL-C(2)	29.3	3020	49.1KCUP									
8208XBR	25.9	3030	52.0KPSI									
H-4895	27.4	3030	49.1KCUP									
Benchmark	25.8	2945				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>4</sup>
H-335	27.2	3055	49.2KCUP									
H-322	25.3	3038				2.260	CCI BR4	WW	22 AR	Euber		Venatic <sup>5</sup>
H-322	25.0	2917				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>6</sup>
X-Terminator	25.0	2900				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>7</sup>
X-Terminator	25.2	2910				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>8</sup>
X-Terminator	25.4	2930				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>8</sup>
X-Terminator	25.6	2960				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>8</sup>
X-Terminator	25.8	2980				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>8</sup>
TAC	27.5	2960					CCI BR4	WW	22 AR	Euber		Venatic <sup>9</sup>
AA-2015BR	24.7	2895					RP 7½		22 AR	Berger HP		Venatic <sup>10</sup>
VV-N133	25.5	3037	MAX			2.260	CCI BR4	WW	22 AR	Euber		Venatic <sup>11</sup>
VV-530	26.2	3079	MAX						22 AR	Euber		Venatic <sup>12</sup>
VV-N135	26.2	2810	52.0KPSI									
VV-N140	27.9	2920	52.0KPSI									
N201	25.7	2890	52.0KPSI									
N202	28.0	3080	52.0KPSI									
RL-7	23.4	2941				2.260	RP 7½	WW	22 AR	Berger HP		Venatic <sup>13</sup>
RL-7	23.5	2970					CCI BR4	WW	22 AR	Euber		Venatic <sup>14</sup>
RL-10X	25.0	3040				2.260	RP 7½		22 AR	Berger HP		Venatic <sup>15</sup>
RL-10X	24.8	3000				2.260	CCI BR 4		22 AR	Euber BT		Venatic <sup>16</sup>



**Notes:**<sup>4</sup>Accuracy around MOA. DTech AR<sup>5</sup>Accurate. DTech AR.<sup>6</sup>Very Accurate. 0.552" 100yds. DTech AR.<sup>7</sup>3 shots .443" 100yds. DTech AR.<sup>8</sup>DTech AR.<sup>9</sup>Shot OK. DTech AR<sup>10</sup>0.560" and 0.481" at 100 yds. DTech AR.<sup>11</sup>Max Load. Very Accurate. DTech AR.<sup>12</sup>Group was .346 at 100 yds. DTech AR.<sup>13</sup>7 shots .580" 100yds. DTech AR.<sup>14</sup>Very Accurate. DTech AR.<sup>15</sup>Max Load. 4 shots in .380" at 100 yds and 4 shots in .635" at 200 yds. DTech AR.<sup>16</sup>Hot load and dirty, some primer burn through. 3 shots in 0.365" at 100 yds and 3 shots in 0.207" at 200 yds. DTech AR.**69gr. Bullets**

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	28.7	3050	52.0KPSI									
BL-C(2)	29.2	3005	49.1KCUP									
IMR-8208XBR	25.8	3010	52.0KPSI									
H-4895	27.3	3010	49.1KCUP									
H-335	27.0	3020	49.2KCUP									
Benchmark	25.7	2950	52.0KPSI									
H-322	24.4	2970	48.0KCUP									
TAC	27.1	2900	52.0KPSI									
VV-N133	25.4	2920	52.0KPSI									
VV-N135	26.2	2800	52.0KPSI									
VV-N140	27.8	2910	52.0KPSI									
N201	26.6	2850	52.0KPSI									
N202	27.9	3045	52.0KPSI									
RL-10X	22.7	2805	52.0KPSI									

## 70gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
W-748	24.0	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	25.0	2800				2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	26.0	2900				2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	27.0	3000				2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	28.0	3100	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	27.0	2750	Normal			2.255	WSR	MAL	20 AR	Nosler BT		5spd
Varget	28.0	3088±16	56.4KPSI	3	40	2.381	RP 7½	LC-10	26	Nosler BT		Buck #2
BL-C(2)	29.5	3038	48.5KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
BL-C(2)	27.5	2844	39.3KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
BL-C(2)	29.0	3052±1	48.9KPSI	3	41	2.381	RP 7½	RP	26	Nosler BT		Buck #2
BL-C(2)	29.0	3050	55.2KPSI	3	40	2.381	RP 7½	RP	26	Nosler BT		Buck #2
BL-C(2)	29.5	3108±6	58.3KPSI	3	40	2.381	RP 7½	LC-10	26	Nosler BT		Buck #2
BL-C(2)	29.5	3101±16	57.2KPSI	3	40	2.255	RP 7½	LC-10	26	Nosler BT		Buck #2
BL-C(2)	27.5	2801	Normal			2.255	WSR	MAL	20 AR	Nosler BT		5spd
BL-C(2)	29.6	2907	Normal			2.255	WSR	MAL	20 AR	Nosler BT		5spd
H-335	26.0	2803				2.260	WSR	RP	20	Nosler BT		HL-255
H-335	26.0	2790				2.260	WSR	FC	20	Nosler BT		HL-255
H-335	27.5	3066	50.0KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
H-335	25.5	2848	44.0KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
H-335	24.1	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
H-335	25.0	2800				2.260	Fed 205	FC	24	Sierra MK		Sierra
H-335	25.9	2900				2.260	Fed 205	FC	24	Sierra MK		Sierra
H-335	26.8	3000				2.260	Fed 205	FC	24	Sierra MK		Sierra
H-335	27.7	3100	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
H-335	26.8	3017	Normal			2.255	WSR	MAL	20 AR	Nosler BT		5spd
H-335	27.5	3201±5	60.7KPSI	3	40	2.255	RP 7½	LC-10	26	Nosler BT		Buck #2
H-335	27.5	3219±9	60.8KPSI	3	40	2.381	RP 7½	LC-10	26	Nosler BT		Buck #2
H-4895	27.5	3034	49.5KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
H-4895	25.5	2809	44.0KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
8208XBR	25.7	2995	52.0KPSI									
H-4895	27.3	3000	49.1KCUP									
Benchmark	25.6	2950	52.0KPSI									

H-322	25.0	2985	47.5KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
H-322	23.0	2758	39.8KCUP			2.260	FC 205	RP	24	Hdy.SP		Hodgdon
H-322	26.3	3015				2.260	RP 7½	LC 79	22	Sierra MK		HL - 131
H-322	24.0	2907				2.260	WSR	FC	24 AR	BlitzKing		HL-255
H-322	22.5	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
H-322	23.3	2800				2.260	Fed 205	FC	24	Sierra MK		Sierra
H-322	24.2	2900				2.260	Fed 205	FC	24	Sierra MK		Sierra
H-322	25.0	3000	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
H-4198	21.0	2773	50.0KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
H-4198	19.0	2515	39.3KCUP			2.260	FC 205	RP	24	Hdy. SP		Hodgdon
IMR-4198	22.0	3002				2.260	RP 7½	LC 79	22	Nos. HPBT		HL - 131
IMR-4198	20.8	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-4198	21.3	2800				2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-4198	21.8	2900				2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-4198	22.3	3000	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-4895	25.0	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-4895	25.6	2800				2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-4895	26.3	2900				2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-4895	26.9	3000	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-3031	24.0	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-3031	24.8	2800				2.260	Fed 205	FC	24	Sierra MK		Sierra
IMR-3031	25.7	2900	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2015BR	24.0	2970				2.260	WSR	FC	24 AR	Nosler BT		HL-255
AA-2015BR	24	2856				2.260	WSR	FC	20	Nosler BT		HL-255
AA-2015BR	22.4	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2015BR	23.2	2800				2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2015BR	23.9	2900				2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2015BR	24.8	3000	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2015	24.0	3168	Normal	5		2.280	WSR		24	V-MAX		5spd
AA-2015	24.0	2907	Normal	10		2.280	WSR		24	V-MAX		5spd
AA-2015	24.0	2797	Normal			2.255	WSR	MAL	20 AR	Nosler BT		5spd
AA-2495BR	23.6	2700	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2495BR	24.3	2700				2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2495BR	25.0	2900				2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2495BR	25.7	3000				2.260	Fed 205	FC	24	Sierra MK		Sierra
AA-2495BR	26.4	3100	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra

TAC	26.0	2800				2.260	WSR	FC	20	Speer TNT		HL-255
TAC	26.0	2878±13	46.9KPSI	3	43	2.381	RP 7½	LC-10	26	Nosler BT		Buck #2
TAC	27.0	3015±20	48.7KPSI			2.381	RP 7½	LC-10	26	Nosler BT		Buck #2
TAC	27.0	3023±14	56.0±2.1KPS 	5	58	2.381	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
TAC	27.5	3096±26	56.8±5.0KPS 	5	58	2.381	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
TAC	28.0	3122±26	57.1±1.7KPS 	5	55	2.381	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	25.0	2772				2.260	WSR	FC	20	Sierra HP		HL-255
X-Terminator	26.9	3117	54.4KPSI			2.260	WSR		24	Sierra MK		Ramshot
X-Terminator	26.9	3166±17	61.3KPSI	3	40	2.381	RP 7½	LC-10	26	Nosler BT		Buck #2
X-Terminator	26.2	3076±13	55.7±1.4KPS 	5	58	2.381	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	26.5	3109±15	59.0±1.3KPS 	5	58	2.381	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	26.5	3120±23	56.4±1.7KPS 	5	58	2.370	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	26.5	3123±13	58.0±4.3KPS 	5	58	2.365	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	26.5	3118±12	58.5±3.3KPS 	5	58	2.360	RP 7½	LC-10	26	Nosler BT	HBN	Buck #2
X-Terminator	26.5	Too Dark	60.3±3.1KPS 	5	58	2.380	Wolf 223	PMC	26	Nosler BT	HBN	Buck #2
X-Terminator	26.2	3104±14	57.6±1.0KPS 	5	55	2.380	Wolf 223	PMC	26	Nosler BT	HBN	Buck #2
X-Terminator	26.2	3113±26	58.7±2.6KPS 	5	55	2.380	Wolf SRM	PMC	26	Nosler BT	HBN	Buck #2
X-Terminator	26.2	3113±19	57.9±2.2KPS 	5	55	2.380	RP 7½	PMC	26	Nosler BT	HBN	Buck #2
X-Terminator	26.2	3122±7	57.7±1.0KPS 	5	55	2.380	CCI BR4	PMC	26	Nosler BT	HBN	Buck #2
VV-N133	25.2	3140±14	59.8KPSI	3	43	2.381	RP 7½	LC-10	26	Nosler BT		Buck #2
VV-N135	26.1	2790	52.0KPSI									
VV-N140	27.7	2900	52.0KPSI									
N201	24.7	2830	52.0KPSI									
N202	27.8	3045	52.0KPSI									

RL-10X	22.6	2785	52.0KPSI									
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## 75gr. Bullet

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	27.6	2960	52.0KPSI									
CFE 223	29.5	2938	mild	5					18 AR	Hdy. HP		Venatic
CFE 223	29.5	3093	mild	5					24	V-MAX		Venatic
BL-C(2)	29.0	2832	47.0KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
BL-C(2)	27.0	2726	42.5KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
BL-C(2)	29.0	3068±9	57.0KPSI	3	43	2.348	RP 7½	LC-10	26	V-MAX		Buck #2
H-335	26.0	2860	48.5KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
H-335	24.0	2660	39.3KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
H-335	27.5	3072				2.260	RP 7½	LC 79	22	Nosler SP		HL - 131
H-335	26.0	2775				2.260	WSR	RP	20	Sierra HP		HL-255
H-335	26.0	2892				2.260	WSR	FC	24 AR	Sierra HP		HL-255
H-4895	25.5	2759				2.260	WSR	RP	20	Sierra HP		HL-255
H-4895	25.5	2738				2.260	RP 7½	FC	20	V-MAX		HL-255
H-4895	25.6	2726		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	25.8	2726		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	26.0	2732		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	26.2	2777		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	26.4	2818		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	26.5	2789		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	26.6	2801		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	26.7	2818		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	26.8	2807		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	27.0	2818		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-4895	27.0	2952	48.0KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
H-4895	25.0	2704	39.3KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
8208XBR	25.2	2895	52.0KPSI									
Benchmark	25.0	2800	52.0KPSI									
Benchmark	24.0	2666		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
Benchmark	24.2	2666		4		2.260	CCI 400	Win	20 AR	V-MAX		MO1

Benchmark	24.4	2732	High	4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
Benchmark	24.6	2666	High	4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
Benchmark	24.8	2749	High	4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
Benchmark	25.0	2737	High	4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
Benchmark	25.2	2760	High	4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
Benchmark	25.4	2789	High	4		2.260	CCI 400	Win	20 AR	V-MAX		MO1
H-322	24.0	2860	47.5KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
H-322	23.0	2774	45.5KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
H-322	26.0	2921				2.260	RP 7½	LC 79	22	Nosler SP		HL - 131
H-322	24.0	2709				2.260	RP 7½	RP	20	Sierra HP		HL-255
H-322	24.0	2896				2.260	WSR	FC	24 AR	V-MAX		HL-255
H-322	24.0	2863				2.260	WSR	FC	24 AR	Sierra HP		HL-255
H-4198	19.5	2480	49.0KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
H-4198	18.5	2297	38.3KCUP			2.260	FC 205	RP	24	Hdy. HP		Hodgdon
TAC	25.0	2695				2.260	WSR	FC	20	V-MAX		HL-255
TAC	26.0	2924				2.260	WSR	FC	24 AR	Sierra HP		HL-255
TAC	26.0	2883±14	46.1KPSI	3	43	2.348	RP 7½	LC-10	26	V-MAX		Buck #2
X-Terminator	25.0	2829				2.260	WSR	FC	24 AR	Sierra HP		HL-255
X-Terminator	25.6	2932	54.4KPSI			2.260	WSR		24	Hdy. HP		Ramshot
X-Terminator	26.2	3000	54.6KPSI			2.260	WSR		24	V-MAX		Ramshot
X-Terminator	24.5	2890	54.6KPSI			2.260	WSR		24	Sierra HP		Ramshot
VV-N133	24.5	3024±22	60.8KPSI	3		2.348	RP 7½	LC-10	26	V-MAX		Buck #2
VV-N135	26.5	2695	52.0KPSI									
VV-N140	27.4	2830	52.0KPSI									
N201	24.6	2690	52.0KPSI									
N202	27.3	2980	52.0KPSI									
RL-10X	21.8	2630	52.0KPSI									

### 80gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
WW-748	24.7	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
WW-748	25.2	2600				2.260	Fed 205	FC	24	Blitz		Sierra

WW-748	26.0	2700				2.260	Fed 205	FC	24	Blitz		Sierra
WW-748	26.8	2800				2.260	Fed 205	FC	24	Blitz		Sierra
WW-748	27.6	2900	Max			2.260	Fed 205	FC	24	Blitz		Sierra
WW-748	27.6	2941		10		2.280	WSR		25	Speer		5spd
Varget	26.5	2863±10	57.2KPSI	3	40	2.332	RP 7½	LC-10	26	Blitz		Buck #2
BL-C(2)	27.5	2846	49.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
BL-C(2)	25.5	2649	41.4KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
BL-C(2)	27.5	2884±5	51.8KPSI	3	40	2.332	RP 7½	RP	26	Blitz		Buck #2
BL-C(2)	27.5	2820±25	52.9KPSI	3	40	2.332	RP 7½	LC-10	26	Blitz		Buck #2
BL-C(2)	27.5	2826		10		2.280	WSR		24	Speer		5spd
H-335	25.0	2706				2.260	WSR	FC	24 AR	Rem. HP		HL-255
H-335	25.0	2735				2.260	WSR	FC	24 AR	Nosler BT		HL-255
H-335	26.0	2810				2.260	WSR	FC	20	Sierra SSP		HL-255
H-335	26.0	2784				2.260	WSR	FC	20	Speer SP		HL-255
H-335	26.0	2862	49.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-335	24.0	2656	42.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-335	22.6	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
H-335	23.5	2600				2.260	Fed 205	FC	24	Blitz		Sierra
H-335	24.4	2700				2.260	Fed 205	FC	24	Blitz		Sierra
H-335	25.3	2800				2.260	Fed 205	FC	24	Blitz		Sierra
H-335	26.2	2900	Max			2.260	Fed 205	FC	24	Blitz		Sierra
H-335	26.2	2926		10		2.280	WSR		24	Speer		5spd
H-4895	24.2	2599				2.260	WSR	FC	20	Sierra SSP		HL-255
H-4895	27.0	2904	48.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4895	25.0	2689	40.9KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4895	24.0	2600	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
H-4895	25.0	2700				2.260	Fed 205	FC	24	Blitz		Sierra
H-4895	26.0	2800				2.260	Fed 205	FC	24	Blitz		Sierra
H-4895	27.0	2900	Max			2.260	Fed 205	FC	24	Blitz		Sierra
8208XBR	24.6	2795	52.0KPSI									
Benchmark	24.5	2700	52.0KPSI									
H-322	23.5	2783	47.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-322	21.5	2503	37.6KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-322	21.5	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
H-322	22.2	2600				2.260	Fed 205	FC	24	Blitz		Sierra
H-322	23.0	2700				2.260	Fed 205	FC	24	Blitz		Sierra

H-322	23.7	2800				2.260	Fed 205	FC	24	Blitz		Sierra
H-322	24.3	2900	Max			2.260	Fed 205	FC	24	Blitz		Sierra
H-4198	19.0	2440	47.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4198	17.5	2286	40.4KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
IMR-4198	19.3	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
IMR-4198	20.1	2600				2.260	Fed 205	FC	24	Blitz		Sierra
IMR-4198	20.9	2700				2.260	Fed 205	FC	24	Blitz		Sierra
IMR-4198	21.7	2800	Max			2.260	Fed 205	FC	24	Blitz		Sierra
IMR-3031	23.0	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
IMR-3031	23.8	2600				2.260	Fed 205	FC	24	Blitz		Sierra
IMR-3031	24.6	2700				2.260	Fed 205	FC	24	Blitz		Sierra
IMR-3031	25.3	2800	Max			2.260	Fed 205	FC	24	Blitz		Sierra
AA-2015BR	23.0	2738				2.260	WSR	FC	24 AR	Rem. HP		HL-255
AA-2015BR	23.0	2652				2.260	RP 7½	RP	20	Nosler BT		HL-255
AA-2015BR	23.0	2630				2.260	WSR	FC	20	Rem. HP		HL-255
AA-2015BR	21.7	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
AA-2015BR	22.4	2600				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2015BR	23.0	2700				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2015BR	23.7	2800				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2015BR	24.4	2900	Max			2.260	Fed 205	FC	24	Blitz		Sierra
AA-2015	24.4	2914		10		2.280	WSR		24	Speer		5spd
AA-2230	22.4	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
AA-2230	23.2	2600				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2230	24.1	2700				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2230	25.1	2800				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2230	25.9	2900	Max			2.260	Fed 205	FC	24	Blitz		Sierra
AA-2495BR	22.4	2500	Min.			2.260	Fed 205	FC	24	Blitz		Sierra
AA-2495BR	23.3	2600				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2495BR	24.2	2700				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2495BR	25.2	2800				2.260	Fed 205	FC	24	Blitz		Sierra
AA-2495BR	26.1	2900	Max			2.260	Fed 205	FC	24	Blitz		Sierra
TAC	25.0	2689				2.260	WSR	FC	20	Speer SP		HL-255
TAC	25.0	2679				2.260	WSR	FC	20	Rem. HP		HL-255
TAC	25.0	2699				2.260	WSR	FC	20	Sierra SSP		HL-255
TAC	26.5	2916±28	54.7±2.0KPSI	5	43	2.332	CCI BR2	PMC	26	Blitz	HBN	Buck #2
X-Terminator	24.0	2576				2.260	WSR	FC	20	Rem. HP		HL-255



X-Terminator	24.7	2833	54.7KPSI			2.260	WSR		24	Hor. FMJ		Ramshot
X-Terminator	26.0	2899	54.2KPSI			2.260	WSR		24	Nosler BT		Ramshot
X-Terminator	25.8	2963±5	59.2±0.6KPSI	5	55	2.332	RP 7½	LC-10	26	Blitz	HBN	Buck #2
X-Terminator	25.8	2987±4	58.6±1.1KPSI	5	43	2.332	CCI BR2	PMC	26	Blitz	HBN	Buck #2
X-Terminator	26.2	2991±14	59.6±1.4KPSI	5	55	2.332	RP 7½	LC-10	26	Blitz	HBN	Buck #2
VV-N133	23.7	2839±15	55.4KPSI	3	43	2.332	RP 7½	LC-10	26	Blitz		Buck #2
VV-N135	25.0	2925±9	57.5KPSI	3	40	2.332	RP 7½	LC-10	26	Blitz		Buck #2
VV-N140	27.0	2760	52.0KPSI									
N201	23.9	2550	52.0KPSI									
N202	26.5	2910±16	54.4KPSI	3	40	2.332	RP 7½	LC-10	26	Blitz		Buck #2
RL-10X	21.1	2490	52.0KPSI									

### 85gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
W-748	24.0	2300	Min.			2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	24.6	2400				2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	25.2	2500				2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	25.8	2600				2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	26.4	2700	Max			2.260	Fed 205	FC	24	Sierra MK		Sierra
W-748	28.0	2817				2.260	RP 7½	LC 79	22	Nos.SBT		HL - 131
Varget	26.5	2805±8	56.9KPSI	3	40	2.335	RP 7.5	WW	26	Sierra SP		Buck #2
Varget	26.5	2833±10	55.5KPSI	3	40	2.335	RP 7½	WW	26	Sierra SP		Buck #2
BL-C(2)	26.0	2641				2.260	RP 7½	FC	20	Partition		HL-255
BL-C(2)	27.5	2811	49.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
BL-C(2)	25.5	2566	42.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
BL-C(2)	25.5	2701	Normal			2.250	WSR	MAL	20 AR	Sierra GK		5spd
H-335	25.5	2818	49.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-335	23.5	2587	40.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-335	26.5	2868				2.260	RP 7½	LC 79	22	Nos. SBT		HL - 131
H-335	24.5	2592				2.260	WSR	RP	20	Sierra GK		HL-255
H-335	24.0	2632				2.260	WSR	FC	24 AR	Sierra GK		HL-255
H-335	24.5	2681				2.260	WSR	FC	24 AR	Sierra GK		HL-255
H-335	22.0	2300	Min.			2.260	Fed 205	FC	24	Sierra GK		Sierra

H-335	22.8	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
H-335	23.5	2500				2.260	Fed 205	FC	24	Sierra GK		Sierra
H-335	24.3	2600				2.260	Fed 205	FC	24	Sierra GK		Sierra
H-335	25.0	2700	Max			2.260	Fed 205	FC	24	Sierra GK		Sierra
H-335	25.0	2696	Normal			2.250	WSR	MAL	20 AR	Sierra GK		5spd
H-4895	25.0	2605				2.260	RP 7½	FC	20	Partition		HL-255
H-4895	26.0	2786	49.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4895	24.0	2559	39KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
8208XBR	24.2	2690	52.0KPSI									
Benchmark	23.8	2550	52000									
H-322	23.5	2786	49.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-322	21.5	2480	41.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-322	23.0	2711				2.260	WSR	FC	24 AR	Sierra GK		HL-255
H-322	25.5	2833				2.260	RP 7½	LC 79	22	Sierra GK		HL - 131
H-322	20.5	2300	Min.			2.260	Fed 205	FC	24	Sierra GK		Sierra
H-322	21.3	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
H-322	22.0	2500				2.260	Fed 205	FC	24	Sierra GK		Sierra
H-322	22.8	2600				2.260	Fed 205	FC	24	Sierra GK		Sierra
H-322	23.5	2700	Max			2.260	Fed 205	FC	24	Sierra GK		Sierra
H-4198	19.0	2440	48.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4198	17.5	2230	41.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
IMR-4198	17.3	2300	Min.			2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-4198	18.2	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-4198	19.0	2500	Max			2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-3031	20.5	2300				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-3031	21.5	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-3031	22.5	2500				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-3031	23.5	2600				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-3031	24.5	2700				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-4895	20.6	2300	Min.			2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-4895	22.0	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-4895	23.4	2500				2.260	Fed 205	FC	24	Sierra GK		Sierra
IMR-4895	24.8	2600	Max			2.260	Fed 205	FC	24	Sierra GK		Sierra
TAC	24.5	2621±18	44.6KPSI	3	43	2.260	RP 7½	LC-10	26	Sierra GK		Buck #2
X-Terminator	24.7	2726	55.0KPSI			2.260	WSR		24	Barns TSX		Ramshot
X-Terminator	24.2	2770	54.2KPSI			2.260	WSR		24	Sierra GK		Ramshot

AA-2015BR	23.0	2648				2.260	RP 7½	FC	20	Partition		HL-255
AA-2015BR	21.4	2300	Min.			2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2015BR	22.0	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2015BR	22.6	2500				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2015BR	23.2	2600				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2015BR	23.8	2700	Max			2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2015	23.5	2682	Normal			2.250	WSR	MAL	20 AR	Sierra GK		5spd
AA-2015	23.8	2695	Normal			2.250	WSR	MAL	20 AR	Sierra GK		5spd
AA-2230	21.9	2300	Min.			2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2230	22.5	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2230	23.1	2500				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2230	23.7	2600				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2230	24.3	2700	Max			2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2495BR	22.2	2300	Min.			2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2495BR	22.8	2400				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2495BR	23.5	2500				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2595BR	24.1	2600				2.260	Fed 205	FC	24	Sierra GK		Sierra
AA-2495BR	24.7	2700	Max			2.260	Fed 205	FC	24	Sierra GK		Sierra
VV-N133	23.2	2763±1	57.9KPSI	3	43	2.260	RP 7½	LC-10	26	Sierra GK		Buck #2
VV-N135	24.7	2510	52.0KPSI									
VV-N140	26.6	2695	52.0KPSI									
N201	23.2	2310	52.0KPSI									
N202	26.4	2845	52.0KPSI									
RL-10X	20.3	2345										

### 87gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
AA-2495BR	23.7	2535				2.260	RP 7½	FC	20	Hdy. SP		HL-255
Varget	26.5	2800	52.0KPSI									
Varget	26.5	3002	Normal	5		2.280	WSR		24	V-MAX		5spd
BL-C(2)	27.5	2872	normal	5		2.280	WSR		24	V-MAX		5spd
BL-C(2)	27.0	2792	normal	5		2.280	WSR		24	V-MAX		5spd
BL-C(2)	26.0	2545				2.260	RP 7½	FC	20	Hdy. SP		HL-255

H-335	24.0	2424				2.260	RP 7½	FC	20	Hdy. SP		HL-255
H-335	25.0	2915		10		2.280	WSR		24	V-MAX		5spd
8208XBR	24.0	2650	52.0KPSI									
H-4895	25.7	2780	49.1KCUP									
Benchmark	23.5	2520	52.0KPSI									
H-322	23.0	2655	48.0KCUP									
H-4895	24.5	2489				2.260	RP 7½	FC	20	Hdy. SP		HL-255
TAC	24.3	2630	52.0KPSI									
X-Terminator	24.4	2770	54.7KPSI			2.260	WSR		24	V-MAX		Ramshot
VV-N133	22.9	2495	52.0KPSI									
VV-N135	24.5	2460	52.0KPSI									
VV-N140	26.5	2660	52.0KPSI									
N201	22.9	2310	52.0KPSI									
N202	26.1	2805	52.0KPSI									
RL-10X	20.1	2300	52.0KPSI									

### 88gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	25.5	2713±7	42.5KPSI	3	52	2.512	RP 7½	LC-10	26	Berger LD		Buck #2
BL-C(2)	27.0	2770±3	52.8KPSI	2	40	2.512	RP 7½	WW	26	Berger LD		Buck #2
H-335	24.8	2710	49.2KCUP									
8208XBR	23.9	2625	52.0KPSI									
H-4895	25.6	2770	49.1KCUP									
Benchmark	23.4	2500	52.0KPSI									
H-322	22.9	2640	48.0KCUP									
TAC	24.2	2610	52.0KPSI									
VV-N133	22.8	2455	52.0KPSI									
VV-N135	23.5	2707±11	49.6KPSI	3	52	2.512	RP 7½	LC-10	26	Berger LD		Buck #2
VV-N140	26.3	2650	52.0KPSI									
N201	22.7	2285	52.0KPSI									
N202	25.0	2688±26	51.1KPSI	3	52	2.512	RP 7½	LC-10	26	Berger LD		Buck #2
RL-10X	19.8	2250	52.0KPSI									

## 90gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	26.2	2770	52.0KPSI									
BL-C(2)	27.0	2744	50.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
BL-C(2)	25.0	2523	41.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
BL-C(2)	26.5	2625				2.260	WSR	FC	24 AR	Nosler BT		HL-255
H-335	25.0	2731	49.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-335	22.5	2442	40.9KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4895	25.5	2721	50.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4895	23.5	2509	41.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4895	25.0	2627				2.260	WSR	FC	24 AR	Nosler BT		HL-255
8208XBR	23.6	2595	52.0KPSI									
Benchmark	23.3	2450	52.0KPSI									
H-322	22.5	2531	49.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-322	20.5	2391	41.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4198	19.0	2350	49.0KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
H-4198	17.5	2189	41.5KCUP			2.350	FC 205	RP	24	Speer SP		Hodgdon
TAC	24.0	2590	52.0KPSI									
X-Terminator	24.3	2727	54.9KPSI			2.260	WSR		24	Sierra FMJ		Ramshot
VV-N133	22.5	2410	52.0KPSI									
VV-N135	24.3	2430	52.0KPSI									
VV-N140	26.3	2630	52.0KPSI									
N201	22.5	2250	52.0KPSI									
N202	25.9	2775	52.0KPSI									
RL-10X	19.6	2200	52.0KPSI									

## 95gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
Varget	25.7	2700	52.0KPSI									
BL-C(2)	26.7	2670	49.1KCUP									

BL-C(2)	26.7	2652	Normal	10		2.280	WSR		24	Nosler BT		5spd
H-335	24.1	2595	49.2KCUP									
H-335	23.5	2465				2.260	WSR	FC	24 AR	Nosler BT		HL-255
H-335	24.1	2653	Normal	5		2.280	WSR		24	Nosler BT		5spd
H-335	24.3	2718		10		2.280	WSR		24	Nosler BT		5spd
8208XBR	23.1	2495	52.0KPSI									
H-4895	25.0	2675	49.1KCUP									
Benchmark	22.6	2310	52.0KPSI									
H-322	22.3	2520	48.0KCUP									
TAC	23.5	2510	52.0KPSI									
X-Terminator	23.7	2585	54.4KPSI			2.260	WSR		24	Nosler BT		Ramshot
VV-N133	21.8	2295	52.0KPSI									
VV-N135	23.7	2330	52.0KPSI									
VV-N140	25.8	2555	52.0KPSI									
N201	21.7	2110	52.0KPSI									
N202	25.4	2690	52.0KPSI									
RL-10X	18.8	2050	52.0KPSI									

### 100gr. Bullets

Powder	Charge Weight (grains)	Velocity (fps)	Pressure	n	Temp (°F)	COL (in.)	Primer	Case	Barrel Length (in.)	Bullet	Bullet Coating	Source
H-414	28.0	2448	43.5KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
H-414	26.0	2310	39.3KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
H-380	28.0	2506	47.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
H-380	26.0	2397	41.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
BL-C(2)	26.0	2539				2.260	WSR	FC	24 AR	Sierra SP		HL-255
BL-C(2)	26.0	2592				2.260	WSR	FC	24 AR	Hdy. RN		HL-255
BL-C(2)	25.5	2452				2.260	RP 7½	FC	20	Hdy. RN		HL-255
BL-C(2)	26.5	2619	50.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
BL-C(2)	24.5	2404	43.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
BL-C(2)	26.0	2589±16	56.7KPSI	3	52	2.290	RP 7½	LC-10	26	Privi SP		Buck #2
H-335	23.0	2443	50.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
H-335	21.5	2305	44.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon

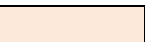
H-4895	23.0	2319				2.260	RP 7½	FC	20	Hdy. RN		HL-255
H-4895	24.0	2616	50.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
H-4895	21.5	2305	44.0KCUP			2.340	FC 205	RP	24	Hdy. SP		Hodgdon
IMR-8208XBR	22.6	2390	52.0KPSI									
Benchmark	22.5	2230	52.0KPSI									
TAC	23.0	2378±9	46.4KPSI	3	52	2.290	RP 7½	LC-10	26	Privi SP		Buck #2
TAC	23.0	2358±18	41.7KPSI	3	52	2.255	RP 7½	LC-10	26	Privi SP		Buck #2
X-Terminator	23.4	2556	54.1KPSI			2.260	WSR		24	Berger BT		Ramshot
VV-N135	23.3	2250	52.0KPSI									
VV-N140	25.5	2500	52.0KPSI									
N201	21.0	1950	52.0KPSI									
N202	25.0	2630	52.0KPSI									
RL-10X	18.2	1910	52.0KPSI									

**Legend:**

<b><u>Bullets</u></b>	<b><u>Cases</u></b>	<b><u>Source</u></b>
Barns TSX – Barns Triple Shock X-Bullet Barns VG – Barns Varmint Grenade	FC – Federal Cartridge Company	Buck #2 – My rifle, Savage 110, Shilen 26” Varmint Barrel
Berger BT – Berger Bullets Match Target Boat Tail Berger LD – Berger Bullets Low Drag Flat Base Berger HP – Berger Bullets Hollow Point Flat Base	IMG – Guatemalan Military	HL-131 – Handloader Magazine Volume 131
Euber – Euber Bullets Hollow Point Flat Base	LC(Year) – Lake City (Year of Production)	HL-255 – Handloader Magazine Volume 255
Hdy. SP – Hornady Soft Point Hdy. RN – Hornady Round Nose (hard to find) Hdy. HP – Hornady Hollow Point Flat Base V-MAX – Hornady V-MAX Hdy. FMJ – Hornady Full Metal Jacket	RP – Remington	Hodgdon – Hodgdon Powder Company
Nosler BT – Nosler Ballistic Tip Nos. SBT – Nosler Spitzer Boat Tail (Solid Base) Partition – Nosler Partition	WW – Winchester	Ramshot – Western powder Company
Privi SP – Privi Partisan Semi Spitzer Soft point	<b><u>Primers</u></b>	Sierra – Sierra Bullet Company
Rem. HP – Remington Hollow Point	FC 205 – Federal 205 Small Rifle Primer	5spd – Predator Masters Forum Member
Sierra GK – Sierra GameKing Sierra MK – Sierra MatchKing Blitz – Sierra Blitz Spitzer Boat Tail BlitzKing – Sierra BlitzKing Sierra SP – Sierra Spitzer Flat Base Sierra FMJ – Sierra Full Metal Jacket Sierra HP – Sierra Hollow Point Flat Base Sierra SSP – Sierra Single Shot Pistol Bullet	RP 7½ - Remington 7½ Small Rifle Primer	Venatic – Predator Masters Forum Member
Speer SP – Speer Spitzer Flat Base Speer TNT – Speer TNT Varmint Bullet	WSR – Winchester Small Rifle Primer	
	<b><u>Pressure</u></b>	
	KCUP = 1000*CUP example: 55.0KCUP=55,000 CUP KPSI = 1000*PSI example: 54.5KPIS=54,500 PSI	




## ***Notes and Warnings:***

 Data highlighted in pink is simply extrapolated/interpolated from the data provided by Hodgdon. I chose this data over that provided by others for several reasons. First of all, they have one of the most complete collections of 6x45 data available. Second, several years ago, they were kind enough to provide me with starting data for the 6x45 and Varget (with actual pressure data). Third, the data provided by Hodgdon is considered safe and sane.

This data was generated by polynomial fit of a system of equations. It provides reliable data as long as the following conditions are met. First, the bullet must not be seated into the rifling. Second, the bullet must be of normal, lead core construction. Third, the bearing surface of the bullet needs to be normal for the caliber and weight. Forth, the brass needs to be of normal volume (by this point in time, you will know if you have reduced volume brass). Fifth, the powder charge should not be over compressed. And last, the primer needs to be normal small rifle.

These data should be considered maximum. Please, back off and work up in your chamber. This is especially true if you are substituting components. Please also be aware that there are a wide variety of 6x45 chamber dimensions floating around the market. This is complicated by the fact that 6x45 barrels are very hard to wear out and many fine 6x45 barrels are three decades old.

 Data highlighted in yellow is generated by the Extended Finite Element Method. The mesh for these calculations is large enough to encompass the chamber and twenty two inches of barrel. It was calculated as a two step problem. The first mesh was large enough to cover the chamber and enough barrel to see the pressure begin to drop. The second mesh made up the remainder of the barrel. Because of my choice in geometry of the problem the basis did include a “discontinuous” function at the brass to steel interface. Most chamber calculations would show convergence in 30 to 50 hours. Most barrel calculations would show convergence in a couple minutes.

- How predictive are these calculations? Looking at the data generated, I think most will agree that they show promise.
- Can we use this data for load development? Yes, but please use extreme caution. Back off by at least 10% and work up. A year ago I would not have made this recommendation. It has taken quite a while to build confidence in this method. With the addition of a transducer equipped 6x45 barrel to our lab, verification has become more robust.

*Note:* The Buck Ammo test barrel is a 26” Shilen 1:10 twist barrel. The chamber was cut by Shilen. It is mounted to a fixed Savage 110 action and is drilled and tapped for a series of transducers. This setup is not known for its accuracy, but does provide reliable pressure data. The Buck #2 Data is from a similar build with the same barrel without the transducer cuts (My new PD gun).

Please send any questions or comments to: [john@buckammo.com](mailto:john@buckammo.com)