

RELOADING RECIPES - RIFLE

223 PSA 18"

Powder: Factory (Black) **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady FMJ 62

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date
N/A	2829	2869	40	2849	17.8	176.6	2.220	1.875		1.760	0.992	-0.532	4	37	
N/A	2852	2957	105	2905	31.1	180.1	2.223	1.874		1.760	0.992	-0.529	8	37	3/16/2018
N/A	2930	2972	41	2943	17	182.5	2.250			1.760	0.992	-0.502	5	50	9/30/2018
N/A	2903	2925	21	2913	9.7	180.6	2.250			1.760	0.992	-0.502	5	50	9/30/2018

3,100 fps published velocity per manufacturer **2902**

Powder: Factory (Black) **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date
N/A	2631	2736	105	2677	33.7	200.8	2.243	1.854		1.755	0.992	-0.504	10	58	04/22/18
N/A	2782	2812	30	2799	12.7	209.9	2.244	1.854		1.755	0.992	-0.503	5	85	09/14/18
	2746	2827	81	2796	31.2	209.7	2.250	1.854		1.755	0.992	-0.497	5	85	09/14/18

2757

2,790 fps published velocity per manufacturer with 24" barrel..... Magneto

Powder: Factory (Black) **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date
N/A	2732	2743	10.89	2738	5.29	205.4	2.243	1.854		1.755	0.992	-0.504	5	50	09/30/18
N/A	2632	2685	52.94	2657	23.21	199.3	2.244	1.854		1.755	0.992	-0.503	5	50	09/30/18
N/A	2616	2693	76.48	2646	34.33	198.5	2.244	1.854		1.755	0.992	-0.503	5	50	09/30/18
N/A	2628	2684	55.58	2659	23.98	199.4	2.250	1.854		1.755	0.992	-0.497	5	50	09/30/18

Labrador with suppressor

2675

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date
N/A	2544	2638	94	2581	29.6	193.6	2.238	1.837		1.755	0.992	-0.509	10	65	08/25/18
N/A	2682	2726	44	2703	19.7	202.7	2.238	1.837		1.755	0.992	-0.509	5	85	09/14/18
	2635	2723	88	2693	36.2	202.0	2.250	1.837		1.755	0.992	-0.497	5	85	09/14/18

2659

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date
N/A	2669	2758	144	2685	52	201.4	2.238	1.837		1.755	0.992	-0.509	5	50	09/30/18
N/A	2659	2735	76	2684	29	201.3	2.238	1.837		1.755	0.992	-0.509	5	50	09/30/18
N/A	2603	2698	95	2665	36	199.9	2.238	1.837		1.755	0.992	-0.509	5	50	09/30/18
N/A	2643	2724	81	2681	32	201.1	2.250	1.837		1.755	0.992	-0.497	5	50	09/30/18
N/A	2625	2716	92	2675	34	200.6	2.250	1.837		1.755	0.992	-0.497	5	21	02/17/19
N/A	2639	2702	62	2667	22	200.0	2.250	1.837		1.755	0.992	-0.497	5	21	02/17/19
N/A	2711	2734	23.3	2725	8.92	204.4	2.250	1.837		1.755	0.992	-0.497	5	58	05/12/19
N/A	2681	2725	43.69	2709	19.02	203.2	2.250	1.837		1.755	0.992	-0.497	4	58	05/12/19

Labrador with suppressor

2686

#97

#103

RELOADING RECIPES - RIFLE

Powder: H Performance **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date	
N/A	2799.0	2820	21.03	2810	9.71	1314.9	2.250	1.837		1.755	0.992	-0.497	5	72	05/26/19	#108

Labrador

2810

Vortex Diamond Back @ 12x

* Rated 200 FPS faster than standard

Powder: AR-Comp **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date	String
	2593	2669	76	2620	23.6	1143.0	2.250			1.755	0.992	-0.497	10		03/16/18	
	2656	2731	75	2673	28.7	1189.7	2.250			1.755	0.992	-0.497	10		03/16/18	
	2852	2957	105	2905	31.1	1405.1	2.250			1.755	0.992	-0.497	10		03/16/18	
			29	2795	10.7	209.6	2.250			1.755	0.992	-0.497	10		03/16/18	

Vortex Diamond Back @ 12x

Powder: AR-Comp **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date
21.0	2460	2541	81	2503	21.3	187.7	2.250			1.755	0.992	-0.497	10	58	04/22/18
21.5	2560	2591	31	2572	11.2	192.9	2.250			1.755	0.992	-0.497	10	58	04/22/18
22.0	2619	2660	41	2642	11.4	198.2	2.250			1.755	0.992	-0.497	10	58	04/22/18
22.5	2694	2727	33	2705	10.3	202.9	2.250			1.755	0.992	-0.497	10	58	04/22/18
23.0	2729	2772	43	2755	13.5	206.6	2.250			1.755	0.992	-0.497	10	58	04/22/18
23.5	2778	2807	29	2795	10.7	209.6	2.250			1.755	0.992	-0.497	10	58	04/22/18

Inconsistent CBTO, several cartridges long, multiple FTL = Max load per Hornady manual

Powder: AR-Comp **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO		Case	Bullet"	BSD	RNDS	Temp	Date
21.7	2539	2598	59	2568	25	192.6	2.250			1.755	0.992	-0.497	5	82	08/31/18
21.7	2567	2574	7	2568	3.1	192.6	2.250			1.755	0.992	-0.497	5	82	08/31/18
21.8	2574	2611	37	2587	14.3	194.0	2.250			1.755	0.992	-0.497	5	85	09/14/18
21.8	2562	2590	28	2578	10.5	193.4	2.250			1.755	0.992	-0.497	5	85	09/14/18
22.0	2592	2625	33	2608	12.8	195.6	2.250			1.755	0.992	-0.497	5	82	08/31/18
22.0	2583	2634	51	2605	17.2	195.4	2.250			1.755	0.992	-0.497	8	65	08/25/18
22.5	2630	2686	56	2653	18.5	199.0	2.250			1.755	0.992	-0.497	9	65	08/25/18
23.0	2697	2747	50	2716	15.5	203.7	2.250			1.755	0.992	-0.497	10	65	08/25/18

MagnetoSpeed V3 with bayo

No suppressor

RELOADING RECIPES - RIFLE

Powder: AR-Comp **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
21.8	2604	2637	33	2626	12.29	197.0	2.238	1.840		1.755	0.992	-0.509	10	42	12/16/18	
22.1	2648	2723	74	2672	25.58	200.4	2.240	1.840		1.755	0.992	-0.507	9	42	12/16/18	
22.3	2673	2737	64	2698	17.89	202.4	2.240	1.840		1.755	0.992	-0.507	13	42	12/16/18	
22.5	2680	2757	76	2710	22.61	203.3	2.240	1.840		1.755	0.992	-0.507	10	42	12/16/18	

Labrador

Vortex Diamond Back @ 12x

Powder: AR-Comp **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
21.8	2659	2678	18	2670	8.1	200.3	2.240	1.840		1.755	0.992	-0.507	5	21	02/17/19	
21.8	2669	2718	49	2688	18.4	201.6	2.240	1.840		1.755	0.992	-0.507	5	21	02/17/19	
22.1	2674	2720	45	2697	17.7	202.3	2.240	1.840		1.755	0.992	-0.507	5	21	02/17/19	
22.1	2680	2733	53	2701	21	202.6	2.240	1.840		1.755	0.992	-0.507	5	21	02/17/19	
22.3	2708	2758	50	2733	23.5	205.0	2.240	1.840		1.755	0.992	-0.507	5	21	02/17/19	
22.3	2706	2773	66	2733	31	205.0	2.240	1.840		1.755	0.992	-0.507	5	21	02/17/19	
22.5	2737	2794	57	2771	28.7	207.8	2.240	1.836		1.755	0.992	-0.507	5	21	02/17/19	
22.5	2726	2762	36	2745	14.8	205.9	2.240	1.836		1.755	0.992	-0.507	4	21	02/17/19	

Labrador

With supressor

Vortex Diamond Back @ 12x

Powder: AR-Comp **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
22.1	2640.6	2665.05	24.4	2652.98	10.1	1171.9	2.230	1.840		1.755	0.992	-0.517	10	58	05/12/19	#96
22.1	2621.6	2684	49	2644.08	18.4	1164.1	2.230	1.840		1.755	0.992	-0.517	9	58	05/12/19	#98
22.3	2649.9	2692.55	42.6	2663	15.23	1180.8	2.230	1.840		1.755	0.992	-0.517	7	58	05/12/19	#99
22.3	2657.57	2682.49	24.92	2670	10.22	1187.0	2.230	1.840		1.755	0.992	-0.517	6	58	05/12/19	#104
22.5	2692.24	2745.97	53.73	2714.66	18.54	1227.0	2.230	1.836		1.755	0.992	-0.517	6	58	05/12/19	#100
22.7	2702.14	2713.71	11.57	2706	6.67	1219.2	2.230	1.840		1.755	0.992	-0.517	3	58	05/12/19	#101
22.9	2722.74	2791	68.27	2751.22	20.16	1260.3	2.230	1.840		1.755	0.992	-0.517	8	58	05/12/19	#102

Labrador

With supressor

Powder: AR-Comp **Gun:** PSA 223W 18" 1:7 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
22.3	2665	2678.3	26.42	2662.72	8.63	1180.5	2.240	1.840	0.125	1.755	0.992	-0.507	7	72	05/26/19	#106
22.3	2643.5	2660.4	16.9	2649.98	9.1	1169.3	2.240	1.840	0.125	1.755	0.992	-0.507	3	72	05/26/19	#110
22.5	2654.9	2695.34	40.4	2674.3	10.64	1190.8	2.240	1.836	0.129	1.755	0.992	-0.507	10	72	05/26/19	#107
22.7	2688.6	2717.9	29.36	2701.51	9.87	1215.2	2.240	1.840	0.125	1.755	0.992	-0.507	9	72	05/26/19	#109
22.7	2682.84	2701.76	18.92	2694.76	7.84	1209.1	2.240	1.840	0.125	1.755	0.992	-0.507	5	72	05/16/19	#111

PSA Barrel

With OUT supressor

Vortex Diamond Back @ 12x

Labrador

RELOADING RECIPES - RIFLE

Powder: H Performance **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
N/A	2685.5	2748.64	63.17	2729.0	20.51	1240.1	2.250	1.837		1.755	0.992	-0.497	10	74	08/18/19	#165
N/A	2702.0	2750.26	47.87	2732.2	15.35	0.0	2.250	1.837		1.755	0.992	-0.497	7	74	08/18/19	#167
N/A	2702.1	2732.27	30.16	2719.7	11.13	1231.6	2.250	1.837		1.755	0.992	-0.497	6	63	09/28/19	#235

JP Super Match barrel

2727.0

Vortex Diamond Back @ 12x

* Rated 200 FPS faster than : **Labradar**

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
N/A	2575.44	2627.99	51.54	2603.1	18.53	1128.3	2.238	1.845	0.120	1.755	0.992	-0.509	10	63	09/28/19	#234
N/A	2567.61	2666.51	98.6	2599.7	35.15	1125.3	2.250	1.845	0.120	1.755	0.992	-0.497	6	63	09/28/19	#236
N/A	2604.42	2667.48	63.07	2635.8	21.16	1156.8	2.247	1.845	0.120	1.755	0.992	-0.500	10	59	10/18/19	#259
N/A	2603.96	2666.22	62.26	2631.5	22.81	1153.0	2.247	1.845	0.120	1.755	0.992	-0.500	10	59	10/18/19	#263

JP Super Match barrel

2617.5

Vortex Diamond Back @ 12x

Labradar

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
N/A	2683.85	2732.84	48.99	2716.5	28.27	1228.7	2.247	1.845	0.120	1.755	0.992	-0.500	3	44	02/27/21	638
N/A	2672.71	2724.31	51.6	2699.4	24.24	1213.3	2.247	1.845	0.120	1.755	0.992	-0.500	4	47	03/07/21	645
N/A	2696.25	2726	29.75	2711.1	21.04	1223.9	2.247	1.845	0.120	1.755	0.992	-0.500	2	47	03/07/21	648
N/A	2696.14	2723.02	26.88	2712.3	11.5	1224.9	2.247	1.845	0.120	1.755	0.992	-0.500	4	47	03/07/21	653

JP Super Match barrel

2709.8

Vortex Diamond Back @ 12x

Labradar

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
N/A	2647.34	2687.13	39.78	2671.5	16.15	1188.4	2.247	1.845	0.120	1.755	0.992	-0.500	5	43	11/30/21	802
N/A	2654.81	2693.81	39	2676.4	15.45	1192.7	2.247	1.845	0.120	1.755	0.992	-0.500	5	43	11/30/21	803

JP Super Match barrel

2674.0

Vortex Diamond Back @ 12x

Labradar

Powder: Fed Gold SMK **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** SMK 77

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
N/A	2481.12	2513.86	32.74	2492.8	10.1	1062.3	2.246	1.870		1.755	0.992	-0.501	10	63	09/28/19	#240
N/A	2467.76	2513.15	45.4	2494.0	14.13	1063.3	2.246	1.870		1.755	0.992	-0.501	10	63	09/28/19	#241

JP Super Match barrel

2493.4

Vortex Diamond Back @ 12x

Labradar

RELOADING RECIPES - RIFLE

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
21.0	2385.82	2418.88	33.06	2408.44	10.39	965.8				1.755	0.992	-2.747	10	60	10/06/19	#251
21.3	2416.02	2467.19	51.17	2452.39	15.06	1001.4				1.755	0.992	-2.747	10	60	10/06/19	#252
21.6	2361.12	2750.67	289.55	2497.61	98.49	1038.7				1.755	0.992	-2.747	10	60	10/06/19	#253
21.9	2523.95	2543	19	2530.00	N/A	1065.8				1.755	0.992	-2.747	5	60	10/06/19	#254
22.2	2536.17	2567.98	31.82	2554.66	13.2	1086.7				1.755	0.992	-2.747	8	60	10/06/19	#255
22.4	2561.98	2636.13	74.15	2597.08	26.18	1123.1	2.250	1.865	0.100	1.755	0.992	-0.497	10	59	10/18/19	#260
22.5	2581.51	2663.51	82	2618.66	25.36	1141.8	2.258	1.860	0.105	1.755	0.992	-0.489	10	59	10/18/19	#257
22.5	2594.28	2643.34	49.06	2622.33	19.71	1145.0	2.258	1.860	0.105	1.755	0.992	-0.489	8	59	10/18/19	#262
22.6	2587.29	2656.06	68.78	2626.84	19.27	1148.9	2.258	1.864	0.101	1.755	0.992	-0.489	10	59	10/18/19	#258
22.6	2602.19	2696.5	94.32	2632.63	28.65	1154.0	2.258	1.864	0.101	1.755	0.992	-0.489	9	59	10/18/19	#261

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
23.7	2712	2761.05	N/A	2732.44	71.46	1243.2	2.235	1.846	0.119	1.755	0.992	-0.512	10	74	08/18/19	#166
23.7	2711.58	2759.12	47.54	2740.06	14.54	1250.1	2.235	1.846	0.119	1.755	0.992	-0.512	9	74	08/18/19	#167
23.7	2746.35	2789.27	42.92	2765.1	13.67	1273.1	2.235	1.846	0.119	1.755	0.992	-0.512	10	63	09/28/19	#233
23.7	2716.48	2778.89	62.41	2751.74	17.82	1260.8	2.235	1.846	0.119	1.755	0.992	-0.512	10	63	09/28/19	#238
23.7	2695.52	2775.78	80.26	2744.55	25.55	1254.2	2.235	1.846	0.119	1.755	0.992	-0.512	9	63	09/28/19	#239

JP Match barrel installed, 7/11/19

2746.78

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
23.9	2734	2819.12	85.13	2767.65	23.78	1275.4	2.245	1.850	0.115	1.755	0.992	-0.502	10	63	09/28/19	#232
23.9	2765.12	2846.06	80.94	2784.59	23.72	1291.1	2.245	1.850	0.115	1.755	0.992	-0.502	10	63	09/28/19	#237

JP Match barrel installed, 7/11/19

2776.12

Vortex Diamond Back @ 12x

2-22 collet

Labrador

RELOADING RECIPES - RIFLE

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
23.9	2815	2839	24	2824.33	12	1328.2	2.245	1.850	0.115	1.755	0.992	-0.502	3	30	11/27/21	788
23.9	2800.07	2830.19	30.13	2813.46	12.77	0.0	2.245	1.850	0.115	1.755	0.992	-0.502	5	30	11/27/21	789
23.9	2811.95	2847.57	35.62	2827.85	14.57	1331.5	2.245	1.850	0.115	1.755	0.992	-0.502	5	30	11/27/21	790

JP Match barrel installed, 7/11/19

2821.88

Vortex Diamond Back @ 12x

2-22 collet

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
23.9	2769.25	2897.04	127.79	2822.63	52.81	1326.6	2.245	1.850	0.115	1.755	0.992	-0.502	5	43	11/30/21	799
23.9	2775.97	2868.95	92.98	2826.36	34.27	0.0	2.245	1.850	0.115	1.755	0.992	-0.502	5	43	11/30/21	800
23.9	2783.3	2809.4	26.09	2797.69	13.25	1303.3	2.245	1.850	0.115	1.755	0.992	-0.502	5	43	11/30/21	801

JP Match barrel installed, 7/11/19

2815.56

Vortex Diamond Back @ 12x

2-22 collet

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
22.0	2700.06	2746.68	46.61	2719.00	21.47	1231.0	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	639
22.0	2700.55	2768.08	67.53	2731.26	29.71	1242.1	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	642
22.2	2706.78	2778.17	71.39	2756.02	29.14	1264.7	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	640
22.2	2727.99	2790.17	62.18	2755.04	23.9	1263.8	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	644
22.4	2714.72	2759.43	44.71	2740.47	23.11	1250.5	2.250	1.837	0.128	1.755	0.992	-0.497	3	41	02/22/21	627
22.4	2717.39	2779.11	61.72	2745.09	24.7	1254.7	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	632
22.4	2726.95	2819.29	92.34	2764.86	36.88	1272.8	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	633
22.4	2757.77	2873.71	115.94	2797.22	45.72	1302.8	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	641
22.4	2764.62	2841.9	80.28	2791.02	33.64	760.9	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	643
22.6	2748.02	2802.16	54.14	2767.33	25.26	1275.1	2.250	1.837	0.128	1.755	0.992	-0.497	4	41	02/22/21	628
22.6	2736.41	2768.32	31.91	2747.33	12.78	1256.8	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	631
22.8	2748.22	2817.23	69.01	2785.37	25.39	1291.8	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	629
22.8	2754.82	2817.06	62.24	2773.69	25.33	1281.0	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	634
22.8	2746.3	2822.8	76.5	2788.40	27.57	1294.6	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	635
23.0	2777.77	2837.4	59.62	2807.56	25.66	1312.5	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	630
23.0	2787.82	2828.28	40.43	2807.08	16.34	1312.0	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	636
23.0	2762.19	2827.36	65.17	2788.13	24.11	1294.4	2.250	1.837	0.128	1.755	0.992	-0.497	5	41	02/22/21	637

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

RELOADING RECIPES - RIFLE

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
22.8	2729.56	2799.03	69.47	2772.21	26.79	1279.6	2.246	1.859	0.106	1.750	0.992	-0.496	5	40	12/14/21	804
22.8	2729.77	2618.64	88.87	2770.56	40.01	1278.1	2.246	1.859	0.106	1.750	0.992	-0.496	5	40	12/14/21	808
23.0	2751.13	2847.81	96.68	2797.90	41.81	1303.4	2.246	1.859	0.106	1.750	0.992	-0.496	5	40	12/14/21	805
23.0	2740.12	2780.15	40.03	2763.51	14.64	1271.6	2.246	1.859	0.106	1.750	0.992	-0.496	5	40	12/14/21	809
23.2	2799.58	2871.18	71.59	2840.96	27.54	1343.9	2.246	1.859	0.106	1.750	0.992	-0.496	5	40	12/14/21	806
23.2	2788.23	2837.76	49.54	2808.80	23.21	1313.6	2.246	1.859	0.106	1.750	0.992	-0.496	5	40	12/14/21	810
23.4	2814.58	2870.05	55.47	2838.96	22.65	1342.0	2.246	1.859	0.106	1.750	0.992	-0.496	5	40	12/14/21	807
23.4	2798.57	2854.91	56.34	2826.80	22.46	1330.5	2.250	1.859	0.106	1.750	0.992	-0.492	5	40	12/14/21	811

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
22.6	2699.13	2772.37	73.25	2733.13	26.37	1243.8	2.246	1.859	0.106	1.750	0.992	-0.496	5	50	12/15/21	813
22.6	2716.61	2790	73.39	2762.37	32.55	1270.6	2.246	1.859	0.106	1.750	0.992	-0.496	5	50	12/15/21	817
22.8	2734.55	2764.47	29.92	2745.10	10.65	1254.7	2.246	1.859	0.106	1.750	0.992	-0.496	6	50	12/15/21	812
23.0	2627.88	2862.89	235.01	2776.60	80.7	1283.7	2.246	1.859	0.106	1.750	0.992	-0.496	6	50	12/15/21	814
23.2	2803.71	2819.11	15.4	2811.41	10.89	1316.1	2.246	1.859	0.106	1.750	0.992	-0.496	2	50	12/15/21	815
23.4	2798.79	2861.5	62.7	2825.04	25.85	1328.9	2.250	1.859	0.106	1.750	0.992	-0.492	6	50	12/15/21	816

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
22.0	2700.06	2746.68	46.61	2719.00	21.47	1231.0	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	639
22.0	2700.55	2768.08	67.53	2731.26	29.71	1242.1	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	642
22.2	2706.78	2778.17	71.39	2756.02	29.14	1264.7	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	640
22.2	2727.99	2790.17	62.18	2755.04	23.9	1263.8	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	644
22.4	2757.77	2873.71	115.94	2797.22	45.72	1302.8	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	641
22.4	2764.62	2841.9	80.28	2791.02	33.64	1297.0	2.250	1.860	0.105	1.755	0.992	-0.497	5	44	02/27/21	643

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

Weight	FPS Low	FPS High	ES	Average	Std Div	FT/LB	COAL	CBTO	DoL	Case	Bullet"	BSD	RNDS	Temp	Date	String
21.8	2653.71	2707.49	53.78	2671.10	24.99	1188.0	2.250	1.860	0.105	1.755	0.992	-0.497	4	47	03/07/21	646
21.8	2645.82	2717.42	71.6	2670.70	32.7	1187.6	2.250	1.860	0.105	1.755	0.992	-0.497	4	47	03/07/21	649
21.8	2659.01	2720.28	61.27	2683.72	30.37	1199.2	2.250	1.860	0.105	1.755	0.992	-0.497	5	47	03/07/21	651
22.0	2685.54	2698.27	12.73	2693.67	7.06	1208.1	2.250	1.860	0.105	1.755	0.992	-0.497	3	47	03/07/21	647
22.0	2687.61	2717.97	30.39	2701.40	15.47	1215.1	2.250	1.860	0.105	1.755	0.992	-0.497	3	47	03/07/21	650
22.0	2694.05	2756.13	62.08	2725.09	43.89	1236.5	2.250	1.860	0.105	1.755	0.992	-0.497	2	47	03/07/21	652

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador