

Hodgdon CFE 223 308 Winchester

Once fired, full length resized, Hornady match brass trimmed to min length.

Federal Gold Metal Match primers.

175 SMK seated to 2.795 O.A.L. light crimp (1/4 turn in)

Hodgdon CFE 223

Test rifle DPMS 308 LR 24 inch stainless, CM trigger, Vortex 6.5-20 BDC 1 in 10 twist

Grains CFE 223	Low	High	Average	Extreme spread	Standard deviation
46.6	2547	2764	2655	217.5	153
46.8	Chrono-Malfunction		2707		
47.0	2690	2792	2750	101	50.3
47.2	2766	2786	2777	20.3	10.4
47.4	2786	2810	2794	23	9.82

Very good-looking groups. 100 Yards

All groups measure less than 1 MOA

The 47.2g and 47.4g all bullets are touching and can be covered by a Quarter (\$.25)

Once fired, full length resized, Hornady match brass trimmed to min length.

Federal Gold Metal Match primers.

168 Ballistic Silver Tip seated to 2.795 O.A.L. light crimp (1/4 turn in)

Hodgdon CFE 223

Test rifle DPMS 308 LR 24 inch stainless, CM trigger, Vortex 6.5-20 BDC 1 in 10 twist

Grains CFE 223	Low	High	Average	Extreme spread	Standard deviation
47.9	2794	2891	2812	35	14.6
48.1	2805	2825	2815	19.65	7.81
48.3	2815	2834	2824	19.1	6.7
48.5	2814	2841	2829	27	11.82
48.7	2845	2866	2853	20.2	9.32

Very consistent groups. 100 Yards

I ran two control groups:

Winchester Supreme 168 BST. Grouped at 1.25 inches. Did not Chronograph

Same brass/primer as above with my pet load of BLC2 and Combined Tech BST.

Hand loaded Ballistic Silver Tip load averages 2651fps with ES of 37.32, SD of 13.6 and shoots a group about the size of a quarter at 100 yards.

The 48.3-48.5-48.7 all bullets are touching. The 48.7 is 4 bullets in to a hole measuring .45 inches with one bullet low but still touching the main group. Looks really good for a gas gun. I will build some loads and shoot them in my 1 in 12, 26inch bolt gun and post the results soon.

As for cleaning I ran a bore snake two repetitions every 5 shots. Powder seems to be very clean. All strings 5 shots.

Environment: 2560 MSL, 35 to 40 F and 1-2 MPH headwind

Looks to be about 100fps faster and just as accurate as any powder I have tried in the last 20 years.