

20 impacts | 19 velocity readings | 100 yards | Same recorded load throughout

Rifle: Accuracy International 6.5 Creedmoor

Powder: Hodgdon H4350 / 41.8 gr

Bullet: Berger 144 gr Tactical

Primer: Federal 210

RESULTS BY TARGET

Target	MOA	Spread (in)	Vel. count	Avg (fps)	SD (fps)	ES (fps)
1	0.61	0.64	4/5	2,807.8	6.6	16.5
2	1.41	1.47	5/5	2,815.7	8.5	20.3
3	0.69	0.73	5/5	2,796.1	6.0	15.7
4	0.98	1.03	5/5	2,807.8	13.1	38.2

Target 1: shot 1 has no velocity reading. SD uses the population formula, matching Garmin.

GROUP SIZE (MOA)



VELOCITY SD (fps)



HAND-MEASUREMENT CHECK | TARGET 2

Bull	Hand (in)	App (in)	Diff. (in)
6	0.802	0.767	-0.035
7	0.531	0.520	-0.011
8	0.478	0.467	-0.011
9	0.595	0.585	-0.010
10	1.044	1.026	-0.018

Measured from aiming-square center to hole center. Your hand readings are approximate.

Across two photos of Target 2, absolute differences were 0.006-0.043 in. These checks do not independently verify every target's combined MOA.

OBSERVATION FROM THIS SESSION

Both MOA and velocity SD were higher on the later target in each session. Four targets from one recorded load do not establish a repeatable trend, its cause, or a shot-by-shot correlation.

Method: five impacts per target, aligned by their aiming points; photo-based center-to-center spread. Chrono session 1 maps to Targets 1-2 (4 + 5 readings); session 2 to Targets 3-4 (5 + 5). No readings excluded.

Photo sources: 20260927_092219.jpg; 20260927_092222.jpg; 20260927_095059.jpg; 20260927_095102.jpg.

Chrono sources: Rifle_Bullet_2026-09-27_09-01-17.xls and Rifle_Bullet_2026-09-27_09-15-56.xls.