

ACCURACY AND CHRONOGRAPH DATA

Ultramax 223 Rem. 52-gr. HP #223R1

Average Velocity

Standard Deviation

Muzzle Energy

Smallest Group

Largest Group

Average Group

Ruger

SR-556E

2758 fps

63 fps

878 ft.-lbs.

0.6 in.

1.7 in.

0.9 in.

Adcor

B.E.A.R. Elite

2720 fps

26 fps

854 ft.-lbs.

0.5 in.

1.2 in.

0.7 in.

Hornady Superformance 223 Rem. Varmint 53-gr. SPF

Average Velocity

Standard Deviation

Muzzle Energy

Smallest Group

Largest Group

Average Group

Ruger

SR-556E

3039 fps

19 fps

1087 ft.-lbs.

0.9 in.

2.0 in.

1.1 in.

Adcor

B.E.A.R. Elite

2999 fps

17 fps

1058 ft.-lbs.

1.0 in.

2.8 in.

1.4 in.

Monarch (Barnaul) 223 Rem. 55-gr. FMJB

Average Velocity

Standard Deviation

Muzzle Energy

Smallest Group

Largest Group

Average Group

Ruger

SR-556E

2812 fps

25 fps

965 ft.-lbs.

1.2 in.

1.7 in.

1.5 in.

Adcor

B.E.A.R. Elite

2748 fps

41 fps

922 ft.-lbs.

0.9 in.

2.1 in.

1.1 in.

To collect accuracy data, we shot up to 10 five-shot groups at 50 yards with red-dot sights. We recorded velocities using a Competitive Edge Dynamics M2 chronograph (\$200, #399-000-012), with the first screen set 12 feet from the muzzle. Velocities were recorded with an air temperature of 76 degrees, at an elevation of 541 feet with 28% percent humidity. Accuracy is the average group size for five-shot groups, measured center-to-center of the widest-apart bullet holes in each group. To measure the group sizes, we scanned the targets into PhotoShop CS5, then used the Ruler tool to measure to the thousands of an inch. We then rounded the results to the nearest tenth of an inch.