

ACCURACY AND CHRONOGRAPH DATA

Winchester USA 357 110-gr. JHP	Henry Big Boy	Cimarron Brush Popper	Chiappa 1892
Average Velocity	1758 fps	1812 fps	1807 fps
Standard Deviation	24 fps	26 fps	17 fps
Muzzle Energy	755 ft.-lbs.	802 ft.-lbs.	797 ft.-lbs.
Smallest Group	2.0 in.	2.5 in.	3.0 in.
Largest Group	4.5 in.	6.0 in.	6.0 in.
Average Group	3.3 in.	4.3 in.	4.7 in.
Black Hills 38 Sp. 158-gr. CNL	Henry Big Boy	Cimarron Brush Popper	Chiappa 1892
Average Velocity	914 fps	912 fps	939 fps
Standard Deviation	22 fps	12 fps	20 fps
Muzzle Energy	293 ft.-lbs.	292 ft.-lbs.	309 ft.-lbs.
Smallest Group	2.0 in.	3.3 in.	3.0 in.
Largest Group	5.0 in.	4.5 in.	5.0 in.
Average Group	3.4 in.	3.9 in.	4.1 in.
Winchester USA 38 Sp. 130-gr. Full Metal Jacket	Henry Big Boy	Cimarron Brush Popper	Chiappa 1892
Average Velocity	1037 fps	1109 fps	1084 fps
Standard Deviation	23 fps	14 fps	10 fps
Muzzle Energy	310 ft.-lbs.	355 ft.-lbs.	339 ft.-lbs.
Smallest Group	2.0 in.	3.0 in.	3.3 in.
Largest Group	3.8 in.	4.5 in.	5.0 in.
Average Group	2.9 in.	3.6 in.	4.6 in.

To collect bench-accuracy data for all three rifles, we fired five five-shot groups with each ammunition using the supplied open sights. We used sandbags to support the guns' foreends. Distance: 50 yards. We recorded velocities using a Competitive Edge Dynamics M2 chronograph (Brownells, \$200), with the first screen set 12 feet from the muzzle. Velocities were recorded with an air temperature of 95 degrees with 64% humidity. Elevation: 541 feet. Wind conditions: 15-20 mph variable from 5 to 7 o'clock. Light conditions: bright shade. 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 and round the results to the nearest tenth of an inch.

Ammo details: Winchester USA 38 Special 130-grain Q4171 FMJ (Brownells 105-000-023WB, \$199/500). Winchester USA 110-grain WINQ4204 357 Magnum JHP (Brownells 105-202-330WB, \$31.49/50). Black Hills Ammunition 158-grain 38 Special CNL DCB38N1 (MidwayUSA 935463, \$28.10/50.)