

ACCURACY AND CHRONOGRAPH DATA

Russian 149-gr. FMJ

Headstamp 19-79*

Average Velocity

Standard Deviation

Muzzle Energy

Smallest Group

Largest Group

Average Group

Tokarev

1940 SVT

2540 fps

11 fps

2132 ft.-lbs.

1.7 in.

3.3 in.

2.4 in.

Romanian

PSL-54C

2675 fps

13 fps

2365 ft.-lbs.

0.8 in.

1.7 in.

1.3 in.

Russian 149-grain FMJ

Headstamp 86-09*

Average Velocity

Standard Deviation

Muzzle Energy

Smallest Group

Largest Group

Average Group

Tokarev

1940 SVT

2630 fps

24 fps

2286 ft.-lbs.

1.4 in.

2.7 in.

1.9 in.

Romanian

PSL-54C

2725 fps

19 fps

2454 ft.-lbs.

1.9 in.

2.6 in.

2.2 in.

Velocity was recorded using an Oehler 35P chronograph with proof channel, with the middle screen 10 feet from the muzzle. Three-shot groups were fired at 50 yards from a machine rest.

On the left is the 86-09-headstamp ammo with annealed steel case. The other ammo had a 19-79 headstamp, and again a steel case, apparently not annealed, but copper coated. The bullets were nearly identical in shape and of 149-grains weight. The 86-09 ammo had a slightly larger-diameter bullet (0.313 inch in diameter) compared to the 19-79 (0.311 inch in diameter) that worked better in the SVT. Both bullets were boattail designs.

