

How We Tested

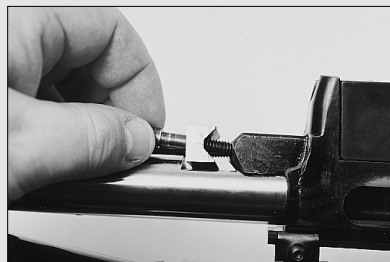
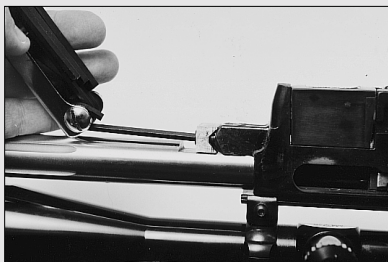
In testing each gun, we shot three record groups with each ammo lot at 50 yards. We used four top-end brands of ammo in the test: \$16-a-hundred Eley Tenex, the \$21.50/100 Federal Ultramatch, \$17.50/100 RWS R50, and Lapua's Dominator M 325, which retails for \$14/100. We mounted four Speedwell Police Rifle Shot Log/Targets on a 50-yard target frame and shot them at the Bayou Rifles .22 rifle range in Houston, Texas, on the same day. We use the Speedwell targets because they offer multiple aiming points on the same 8½" by 11-inch sheet, along with ample room for load and conditions notations.

We bench-fired all the guns off a Ransom Rest front benchrest and a rear bunny bag.

We shot all the ammo through each barrel before changing the tube. Our shooting sequence was to clean a given barrel, then fire 20

fouling and sighting rounds. We recorded the velocities of the last 10 fouling rounds on an Oehler 35P chronograph. Then we fired three five-shot record groups per ammo lot per gun, averaging the group sizes to produce the data in the accompanying table. We kicked out and reshot groups where the test shooter felt he had broken a bad shot or where the spotter noted a significant changes in conditions. We shot the accuracy groups consecutively on an 80-degree day with a 5- to 10-mph 6 o'clock wind.

To ensure we tested only the performance of the barrels, and to facilitate changing the barrels at the range, we mounted a Leupold 6.5-by 20-power riflescope with a 1/16-minute dot on the receiver using a one-piece Weaver TO9 base and Redfield tip-off rings. The receiver was a used Ruger factory action. Our test gun sported a blue McMillan fiberglass stock based on a Anschütz ISU-style stock. It had been machined out to accept the action.



***Above:** In the Ruger 10/22, the barrel is inserted into the front of the receiver and is held in place with a V-block. By loosening two Allen-head bolts that hold the block in place, which joins the barrel to the action, the shooter can remove the factory barrel and replace it with better steel. Once blocked together, the barrel and receiver are joined to a stock with a single action screw located at the front of the receiver.*