



The new 5mm Rimfire Magnum ammo is packed 50 rounds in a box, is not reloadable.

Pictured left to right: 22 RFM by Win., 5mm Rem. RF Mag, and standard 22 LR.

#### Factory Ballistics 5mm RFM

Range Yards	Velocity (fps)	Energy (ft/lb)	Trajectory (in.)
0	2100	372	—
50	1839	285	+9"
100	1605	217	0
150	1400	165	-4.3"

Line of sight above line of bore,  
iron sight = 0.7"

ful packing with patches to get the proper cleaning effect of the rifle barrel.

The black, high-impact plastic clip has, on its rear face, a rectangular slot into which fits a stamped metal strip that acts as seating guide for the magazine. The rear sight rib that fits over the receiver of the 5mm RFM rifles is also plastic and is grooved for the standard 22 tip-off scope mounts. The magazine plate and trigger guard are a two piece interlocking stamping that, in the ST test gun, had to be completely removed to permit removal and re-insertion of the barreled action into the stock.

The new 5mm rifles have a special two-stage extractor that makes possible a complete casehead enclosure. The six locking lugs are of the rear type, camming into the lug shoulders in the solid steel receiver. Bolt throw has been reduced to 68° and the ejection port has been reduced from 180° to 60°. The bolt release is housed in

the safety which, when pushed forward and held there, allows removal or insertion of the bolt.

The extractor, latch, and firing pin in the bolt head are stampings, and the extractor over-rode caseheads several times. Similarly, there was one stoppage when the ejector retainer inside the ejector suddenly blocked the forward movement of the bolt. In removing the ejector cover, and this was essential on the test rifle since vast amounts of grease had to be removed, the fitting of the ejector spring and the ejector spring guide is a bit tricky and I found it best to keep the spring in place with the wide blade of a pocket knife while inserting the ejector cover. The trigger is non-adjustable and the trigger of our gun broke cleanly at 5.75 lb.

The clip-fed gun, as well as the tubular feed rifle, can be single loaded, and this increases the magazine-rifle capacity by one round, giving the M591 a five round capacity, while the M592 then holds 11 rounds. The grip cap of the 5mm Remington rifles carries the painted legend "Remington 5MM Magnum," and there are no provisions for attaching a sling to the stocks of the 5mm rifles.

Before discussing the performance of this new rimfire rifle/ammo combination, let's take a look at the new cartridge. The 38 gr. Power-Lokt HP bullet is designed for small varmints and small game, such as rabbit, although I suspect that on squirrel it will prove to be too destructive. I have

tried the Winchester 22 RFM round on bushytails, and unless I scored clean headshots, the somewhat heavier (40 gr.) bullet at a somewhat lower velocity (1975 fps from my Jefferson semi-auto rifle), made instant but non-edible kills. Similarly, the range of any of the rimfire magnums is somewhat restricted, and I consider them, at best, as 150 yard cartridges, including about 50 yards for barrel stretching. Neither the remaining energy nor the trajectory of the new Remington round make hits, even from a bench and under the most favorable conditions, a sure-bet thing.

For my 100 yard shooting and several attempted assaults at some feral cats that are after my coveys of quail, I mounted a 4x15 Universal 22 rifle scope on the test gun. Since there is no 20 caliber spud made for the Sight-A-Line collimator, I boresighted the rifle to print about 2" high at 25 feet. At 50 yards, five shots groups averaged around 1", with several of them measuring as little as 0.75". At 100 yards, the average five shot group measured around 1.5".

Remington ballistics data, taken from a 24" test barrel, indicate that the 38 gr. bullet has an MV of 2100 fps. Repeated chronographing on the ST indoor range indicates that the 5mm Remington Rimfire Magnum Power-Lokt bullet, from a Model 591, has an average 10 shot velocity of 2158.6 fps, with a low of 2119 fps and a high of 2203 fps. Velocities were taken with an ambient temperature