ACCURACY AND CHRONOGRAPH DATA

Hornady 204 Ruger 40-gr. V-Max 83206	Ruger KM77VT MK II	Kimber 84M Varmint	Savage Arms M12 Long Range Repeater
Average Velocity	3668 fps	3656 fps	3698 fps
Standard Deviation	26 fps	7 fps	60 fps
Muzzle Energy	1196 ft.-lbs.	1188 ft.-lbs.	1216 ft.-lbs.
Smallest Group	0.8 in.	0.6 in.	0.6 in.
Largest Group	1.1 in.	1.1 in.	0.8 in.
Average Group	1.0 in.	0.8 in.	0.7 in.

Winchester SuperX 204 Ruger 34-gr. JHP Lubalox X204R	Ruger KM77VT MK II	Kimber 84M Varmint	Savage Arms M12 Long Range Repeater
Average Velocity	3944 fps	3849 fps	NA
Standard Deviation	36 fps	16 fps	NA
Muzzle Energy	1175 ft.-lbs.	1119 ft.-lbs.	NA
Smallest Group	0.8 in.	0.9 in.	NA
Largest Group	1.1 in.	1.2 in.	NA
Average Group	1.0 in.	1.0 in.	NA

Federal V-Shok 204 Ruger 32-gr. Ballistic Tip P204B	Ruger KM77VT MK II	Kimber 84M Varmint	Savage Arms M12 Long Range Repeater
Average Velocity	4117 fps	4084 fps	4100 fps
Standard Deviation	27 fps	14 fps	20 fps
Muzzle Energy	1205 ft.-lbs.	1186 ft.-lbs.	1195 ft.-lbs.
Smallest Group	0.9 in.	0.9 in.	1.0 in.
Largest Group	1.1 in.	1.0 in.	1.2 in.
Average Group	1.0 in.	1.0 in.	1.1 in.

To collect accuracy data, we fired five-shot groups from a sandbag rest using open sights. Distance: 100 yards. We recorded velocities using an Oehler 35P chronograph, with the sky screens set 10 feet from the muzzle.

Right: Overall length of 223 Remington ammunition (Black Hills 60-grain V-Max 223, set behind, at left) is comparable to the 204 Ruger ammunition. But note the difference where the cases neck down. Left to right on the front row are three 204 Ruger test rounds. They are the 40-grain Hornady V-Max Varmint Express, 32-grain Federal Premium V-Shok Nosler Ballistic Tip, and 34-grain Winchester Super X Lubalox-coated JHP rounds. Far right, the Savage Model 12 had difficulty chambering Winchester rounds, which resulted in the bullet being pushed back into the case. Because of safety concerns, we didn't shoot them in the Savage.