

7. Aim at the target.
8. Put the safety mechanism in the "F" position and fire. See page 9.
9. If the rifle still does not fire, repeat steps 1 through 8 several more times.
10. If the rifle still does not fire, the charge must be removed manually. See REMOVING A CHARGE on pages 18 and 19.

Suggested Loading Data

This data was compiled from testing done by Remington® Arms using both .50 and .54 caliber Remington projectiles in the Model 700™ M1 rifle. The Model 700 M1 barrels are rifled with 1:30" twist to both .50 and .54 caliber. All testing was done with 2F or FFg black powder.

WARNING: NEVER EXCEED THE MAXIMUM CHARGE WEIGHT LISTED FOR THIS PROJECTILE AND RIFLE. USING, NEVER SUBSTITUTING ANY QUANTITY OR ALTERNATE POWDER TYPE, UNLESS SPECIFICALLY PERMITTED, EXCEEDING MAXIMUM CHARGE WEIGHT OR SUBSTITUTING ANY POWDER TYPE OR GRAIN SIZE MAY CAUSE PERSONAL INJURY OR DEATH TO THE SHOOTER OR Bystanders AND DAMAGE TO THE FIREARM.

The charge weights listed are the nominal range and maximum charge weights for the given projectile.

The nominal suggested range of charge weight produces the best combination of accuracy and velocity. It is done by starting at the lower charge weight listed in the nominal range and increasing in 5 grain increments until an optimum load is achieved. An optimum load is one which produces the best accuracy.

WARNING: Do not exceed the charge weight. To do so may result in serious personal injury or death to the shooter or bystanders and damage to the firearm.

Projectile	Grain Weight	Black Powder Charge (Grains)	Muzzle Velocity (Feet Per Second)	Muzzle Energy (Foot Pounds)
.50 CALIBER SABOTED PROJECTILES				
Game-Lock® JHP	275	90 grs. FFg	1703 f.p.s.	1291 ft.-lbs.
		100 grs. FFg	1505 f.p.s.	1383 ft.-lbs.
		110 grs. FFg	1505 f.p.s.	1495 ft.-lbs.
		120 grs. FFg Max.	1610 f.p.s.	1583 ft.-lbs.
Premier® Copper Solid	289	90 grs. FFg	1450 f.p.s.	1384 ft.-lbs.
		100 grs. FFg	1515 f.p.s.	1471 ft.-lbs.
		110 grs. FFg	1563 f.p.s.	1586 ft.-lbs.
		120 grs. FFg Max.	1620 f.p.s.	1658 ft.-lbs.
Copper-Lock® JHP	300	90 grs. FFg	1387 f.p.s.	1313 ft.-lbs.
		100 grs. FFg	1480 f.p.s.	1474 ft.-lbs.
		110 grs. FFg	1515 f.p.s.	1544 ft.-lbs.
		120 grs. FFg Max.	1570 f.p.s.	1658 ft.-lbs.
.50 CALIBER LEAD LUBED CONICALS				
GameMaster™ Flat Base	365	90 grs. FFg	1350 f.p.s.	1477 ft.-lbs.
		100 grs. FFg	1405 f.p.s.	1600 ft.-lbs.
		110 grs. FFg	1470 f.p.s.	1751 ft.-lbs.
		120 grs. FFg Max.	1525 f.p.s.	1825 ft.-lbs.
GameMaster™ Solid Point	385	90 grs. FFg	1315 f.p.s.	1479 ft.-lbs.
		100 grs. FFg	1370 f.p.s.	1605 ft.-lbs.
		110 grs. FFg	1435 f.p.s.	1760 ft.-lbs.
		120 grs. FFg Max.	1470 f.p.s.	1847 ft.-lbs.
.50 CALIBER ROUND BALL				
Premier®	179	90 grs. FFg	1650 f.p.s.	1082 ft.-lbs.
Golden™ Lead		90 grs. FFg	1750 f.p.s.	1197 ft.-lbs.
.490" Dia. Ball		100 grs. FFg	1840 f.p.s.	1346 ft.-lbs.
		110 grs. FFg Max.	2050 f.p.s.	1670 ft.-lbs.