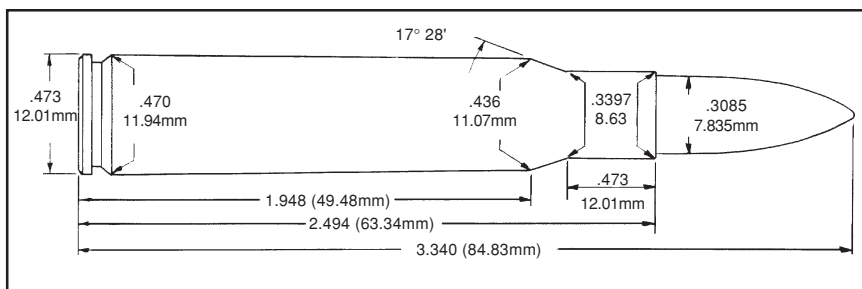


# .30-06 SPRINGFIELD

The .30-06 Springfield is actually a modified version of the Cartridge, Caliber .30, Model of 1903. The original cartridge had a 220-grain, round-nosed FMJ bullet with a muzzle velocity of 2,300 FPS.



As a result of ballistic experiments in Europe, the U. S. Army modified the .30-03 cartridge by shortening the neck 0.070" and loading a short pointed bullet weighing 150 grains to a muzzle velocity of 2,700 FPS. This cartridge then became known as the Caliber .30, Model of 1906 or simply the .30-06 Springfield.

On January 9, 1936, the U.S. Army accepted an experimental rifle submitted by John Garand and standardized it as the U.S. Rifle, caliber .30, M 1. As a service rifle, the M 1 was used primarily with the caliber .30 M2 cartridge. This is the cartridge that the gas system was calibrated to operate with.

High Power Rifle competitors were for years blessed with an abundance of U.S. Government Match ammunition (M72 Match) using a 173 grain FMJ/BT bullet.

The loads shown below using the 150 and 168 grain bullets were developed with powders of the correct burn rate for the Garand's gas system to approximate the performance of the M2 Ball and M72 Match ammo.

<b>.30-06 SPRINGFIELD</b>			
Gun	WILSON	Max Length	2.494"
Barrel Length	24"	Trim Length	2.474"
Primer	CCI 200	OAL Max	3.340"
Case	IMI	OAL Min	2.940"

Bullet	START LOADS			MAXIMUM LOADS			P.S.I.	Cartridge Length	Comment
	Powder	Grains	Vel.	Powder	Grains	Vel.			
PMC 150 FMJ	<b>2015</b>	43.2	2535	<b>2015</b>	48.0	2881	58,400	3.250"	
	<b>2230</b>	44.5	2521	<b>2230</b>	49.4	2865			57,900
	<b>2460</b>	44.6	2519	<b>2460</b>	49.5	2862			58,500
	<b>2495</b>	46.4	2558	<b>2495</b>	51.5	2907			58,300
	<b>2520</b>	46.1	2526	<b>2520</b>	51.2	2870			58,200
	<b>4064</b>	49.0	2682	<b>4064</b>	54.5	3048			58,700
	<b>2700</b>	53.1	2580	<b>2700</b>	59.0	2932			54,900

## .30-06 SPRINGFIELD (continued)

Bullet	START LOADS			MAXIMUM LOADS			P.S.I.	Cartridge Length	Comment
	Powder	Grains	Vel.	Powder	Grains	Vel.			
SRA 168 HPBT	<b>2015</b>	41.0	2385	<b>2015</b>	45.5	2710	59,000	3.295"	
	<b>2230</b>	41.4	2343	<b>2230</b>	46.0	2663	58,800		
	<b>2460</b>	42.0	2340	<b>2460</b>	46.7	2659	58,800		
	<b>2495</b>	42.3	2382	<b>2495</b>	47.0	2707	57,300		
	<b>2520</b>	42.8	2359	<b>2520</b>	47.5	2681	58,000		
	<b>2700</b>	48.6	2404	<b>2700</b>	54.0	2732	57,700		