

# 45 AUTO (RIFLE)

## Test Specifications:

Firearm Used: Marlin Model 45

Barrel Length: 16 1/2"

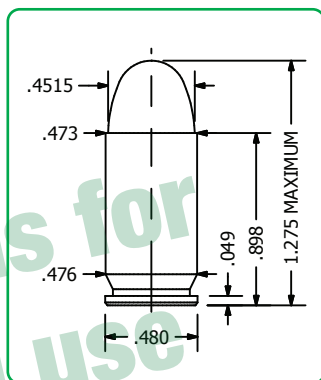
Twist: 1 x 16"

## Components:

Case: Federal

Trim-to Length: .893"

Primer: Federal 150





## Remarks:


The 45 ACP cartridge was adopted by the U.S. military in 1911 after five years of thorough testing. Adopted in the Colt Model 1911 pistol, the cartridge and gun were designed by John Moses Browning to conform to a set of requirements from the Army Ordnance board. As Browning originally designed the 45 ACP, it was loaded with a 200 grain bullet at approximately 900 feet per second. Ordnance wanted to use a slightly heavier 230 grain bullet designed by Frankford Arsenal. The loading that was finally adopted used the heavier bullet at approximately 830 feet per second. Other than the fact that the new 45 ACP used a jacketed bullet, the ballistics of this cartridge are remarkably similar to the older 45 S&W loading used in the 1873 Single Action Army revolver.

During its life as a U.S. military cartridge, the 45 ACP served in several types of handguns, carbines and submachineguns. Our test rifle, the Marlin Model 45 Camp Carbine, is a typical example of an easy to handle rifle. Even with their longer barrels, 45 carbines show little velocity gain over a handgun's standard five-inch barrel. However, these lightweight carbines perform quite well for small game and plinking and may fill a unique niche as a home defense firearm.



The 45 ACP case is a true rimless design that headspaces on the ledge created by the case mouth of a loaded cartridge. For this reason, heavy or excessive crimps must be avoided when loading for the 45 ACP. A slight taper crimp, sufficient to remove any bellings left over from the bullet seating operation, should give optimum results for both accuracy and consistent ignition. Whenever pistol cartridges are loaded for rifles, the topic of primers is sure to come up. Despite the fact that the ammunition is to be used in a rifle, large pistol primers are the correct choice for the 45 ACP. The use of rifle primers can result in misfires and will change pressures dramatically. The relatively fast-burning powders used in the 45 ACP are not difficult to ignite, making the use of magnum or rifle primers unnecessary.


# 45 AUTO (RIFLE)

		Bullet	Caliber	Weight	Type	C.O.A.L.
		#8800	.4515"	185gr.	JHP	1.212"
		#8810	.4515"	185gr.	FPJ Match	1.155"
Powder	Velocity	1100	1150	1200	1250	
Unique		7.3	7.6	7.9	8.3	
A #5		9.6	9.9	10.2	10.5	
SR4756		8.3	8.7	9.0	9.3	
Blue Dot		10.7	11.1	11.5	11.7	
Energy Ft. lbs		497	543	591	642	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	Unique	8.3	1250	642		
Hunting Load	Unique	8.3	1250	642		

		Bullet	Caliber	Weight	Type	C.O.A.L.
		#8825	.4515"	200gr.	FPJ	1.155"
Powder	Velocity	950	1000	1050	1100	
Unique		6.4	6.7	7.1	7.4	
A #5		8.0	8.4	8.8	9.1	
SR4756		7.3	7.5	7.7	7.9	
Blue Dot		9.1	9.6	10.1	10.5	
Energy Ft. lbs		401	444	490	537	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	Unique	7.1	1050	490		
Hunting Load	A #5	9.1	1100	537		

**45 AUTO (RIFLE)**

Bullet	Caliber	Weight	Type	C.O.A.L.
	#8815	.4515"	230gr. FMJ Match	1.270"
	#8805	.4515"	230gr. JHP	1.270"
Powder	Velocity	700	750	800
Unique		6.2	6.5	6.8
A #5		7.7	8.0	8.2
SR4756		6.7	7.0	7.3
Blue Dot		8.5	8.9	9.2
<b>Energy Ft. lbs</b>		<b>250</b>	<b>287</b>	<b>327</b>
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
<b>Accuracy Load</b>	A #5	8.2	800	327
<b>Hunting Load</b>	A #5	8.2	800	327

Bullet	Caliber	Weight	Type	C.O.A.L.
	#8820	.4515"	240gr. JHC	1.185"
Powder	Velocity	700	750	800
Unique		6.3	6.6	6.8
A #5		7.9	8.2	8.4
SR4756		6.9	7.2	7.4
Blue Dot		8.7	9.0	9.3
<b>Energy Ft. lbs</b>		<b>261</b>	<b>300</b>	<b>341</b>
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
<b>Accuracy Load</b>	Blue Dot	9.3	800	341
<b>Hunting Load</b>	Blue Dot	9.3	800	341