

44 MAGNUM (RIFLE)

Test Specifications:

Firearm Used: Winchester Model 94AE

Barrel Length: 16"

Twist: 1 x 38"

Components:

Case: Federal

Trim-to Length: 1.280"

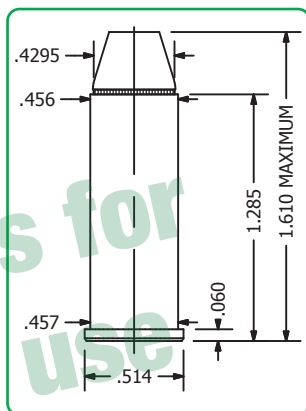
Primer: Federal 155

Remarks:


The 44 Magnum was introduced in December of 1955, as the result of a joint venture by Remington and Smith & Wesson. Elmer Keith, a noted gun writer, hunter, and experimenter had been working with heavily loaded 44 Specials since the early 1950's, and had actively pursued the management of both S&W and Remington to produce guns and ammunition providing this level of performance. The result was the 44 Magnum, a slightly lengthened version of the old 44 Special and loaded to considerably higher pressures.


Earlier combinations of revolvers and lever action rifles in calibers like the 38-40 and 44-40 WCF proved quite popular during the westward movement from the 1870s to the latter 1890s. Unlike the 44 Magnum however, both of these were primarily rifle cartridges that were adapted to use in a handgun. Although the 44 Magnum was intended specifically as a handgun cartridge, its use in light, handy carbines was probably inevitable. The big magnum has served this role well, and has been chambered in a variety of action types. These include Remington's bolt action Model 788, Thompson Center's singleshot Contender Carbine, Ruger's Model 44 semi auto carbine and 77/44 bolt rifle, and naturally, lever action carbines from Winchester, Marlin, Browning, Henry, and others.

The wide variety of bullet weights available for the 44 Magnum give it a significant edge in versatility over most other big bore handgun cartridges. Light weight bullets, such as the 180 and 210 grain JHC designs, serve for everything from small game through whitetail deer. Heavier bullets, like the 240 grain JHC, or the solidly constructed 220 and 250 grain FPJ, provide deeper penetration on thick skinned big game species. The 300 grain JSP is best reserved for those hunting situations where extremely deep penetration is of paramount importance. Cannelure location on the 300 grain JSP requires that the bullet be loaded to an Overall cartridge of 1.735 inches, somewhat longer than the SAAMI standard maximum for the 44 Magnum. While this was not a problem in our Winchester Model 94AE, some rifles having a slightly shorter action (such as the Browning Model 92) cannot use the 300 grain JSP, unless it is used as a single shot.





44 MAGNUM (RIFLE)

Bullet Caliber Weight Type						C.O.A.L.
	#8600	.4295"	180gr.	JHC		1.600"
Powder ▾	Velocity >	1700	1800	1900	2000	
A #5		15.5	16.8	18.0		
Viht N350		14.2	15.3			
A #7		18.4	19.2	20.0	20.7	
Blue Dot		17.1	18.1	19.1		
A #9		20.5	22.2	23.9	25.4	
2400		22.3	23.9	25.5		
H110			25.2	26.9	28.5	
296			26.0	27.2	28.4	
IMR 4227		26.0	27.3			
Energy Ft. lbs		1155	1295	1443	1598	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	296	27.2	1900	1443		
Hunting Load	296	28.4	2000	1598		


Bullet Caliber Weight Type						C.O.A.L.
	#8620	.4295"	210gr.	JHC		1.600"
Powder ▾	Velocity >	1500	1600	1700	1800	1900
A #7		16.0	17.4	18.7		
Viht N350		12.8	14.2			
Blue Dot		15.2	16.7			
A #9		18.0	19.7	21.4		
2400		19.6	21.1	22.6		
Viht N110		18.8	19.8	20.8	21.8	
H110		22.4	23.4	24.4	25.4	
296				23.5	24.9	26.3
IMR 4227		22.9	24.3	25.7		
Energy Ft. lbs		1049	1194	1347	1511	1683
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	H110	24.4	1700	1347		
Hunting Load	296	24.9	1800	1511		


44 MAGNUM (RIFLE)

Bullet Caliber Weight Type		C.O.A.L.					
	#8605 .4295" 220gr. FPJ Match	1.600"					
Powder ∨	Velocity >	1400	1500	1600	1700	1800	1850
A #7		15.2	16.6	18.0			
Blue Dot		14.6	15.7	16.8	17.8		
A #9			18.6	20.1	21.6		
2400		19.5	20.6	21.6	22.7		
Viht N110		17.6	18.7	19.8	20.9	22.0	
H110				22.4	23.9	25.3	
296			22.5	23.8	25.3	26.0	
IMR 4227		21.6	23.0	24.4	25.8		
Energy Ft. lbs		957	1099	1250	1412	1582	1672
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	A #9	21.6	1700	1412			
Hunting Load	296	26.0	1850	1672			

Bullet Caliber Weight Type		C.O.A.L.					
	#8610 .4295" 240gr. JHC	1.600"					
Powder ∨	Velocity >	1400	1500	1600	1700	1750	
A #7		15.5	16.8	18.0			
Blue Dot		14.6	15.7	16.8			
A #9		17.5	19.0	20.4			
2400		18.3	19.9	21.4			
Viht N110		17.3	18.5	19.7	20.9		
H110			20.5	21.9	23.3	24.0	
296			20.0	21.7	23.4	24.0	
IMR 4227		21.4	22.5	23.5			
Energy Ft. lbs		1044	1199	1364	1540	1632	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	296	21.7	1600	1364			
Hunting Load	296	24.0	1750	1632			

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Bullet Caliber Weight Type						C.O.A.L.
	#8615	.4295"	250gr.	FPJ Match		1.600"
Powder	Velocity	1400	1500	1600	1650	1700
A #7		15.7	16.9	18.1		
Blue Dot		14.0	15.2	16.5		
A #9		17.7	19.0	20.2		
2400		18.4	20.0	21.5		
Viht N110		17.3	18.5	19.7	20.4	
H110			20.4	22.1	23.0	23.8
296			21.0	22.4	23.1	23.8
IMR 4227		21.6	22.8			
Energy Ft. lbs		1088	1249	1421	1511	1604
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb		
Accuracy Load	H110	22.1	1600	1421		
Hunting Load	296	23.8	1700	1604		

Bullet Caliber Weight Type						C.O.A.L.	
	#8630	.4295"	300gr.	JSP		1.735"	
Powder	Velocity	1200	1250	1300	1350	1400	1450
A #7		14.0	14.7	15.4	16.1	16.8	17.5
Blue Dot		13.3	13.8	14.3	14.8	15.3	15.8
A #9		16.1	16.6	17.2	17.7	18.3	
2400		17.1	17.8	18.5	19.2	19.8	20.4
Viht N110		15.6	16.2	16.8	17.4	18.0	18.6
296		17.0	17.6	18.2	18.8	19.5	20.2
H110		16.9	17.6	18.4	19.2	20.0	
Energy Ft. lbs		959	1041	1126	1214	1305	1400
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb			
Accuracy Load	H110	20.0	1400	1305			
Hunting Load	A #7	17.5	1450	1400			