

8mm Remington Magnum

Test Specifications:

Firearm Used: Remington 700 BDL

Barrel Length: 24"

Twist: 1 x 10"

Components:

Case: Remington

Trim-to Length: 2.840"

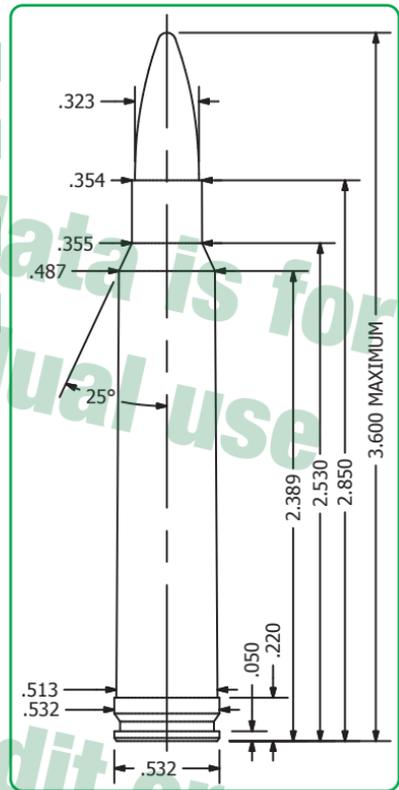
Primer: Remington 9 1/2M

Remarks:

Remington introduced their potent 8mm Magnum in late 1977 in the popular Model 700 bolt action. Based on the full length Holland & Holland case, Remington's 8mm requires the use of a "long" or "magnum" action. Since the point of using a shorter action usually revolves around producing a lighter, handier rifle, this is hardly a drawback. Given the sharp, heavy recoil of Remington's 8mm Magnum, a light, handy rifle is not a pleasant proposition! Accurate and flat shooting, the 8mm Remington Magnum is first and foremost a hunting cartridge for large, tough game.

As a cartridge for North America, the 8mm Remington Magnum is unnecessarily powerful for all but our largest native big game. It is very well suited to most African plains species and has been used there with good success. Having too much power for most hunting situations poses few real problems, but the handloader must be aware of it. Most bullets in the 8mm bore size were designed around the older, more sedate 8x57(JS), or the similar 8mm-06 wildcat. Producing some 500 to 600 fps more velocity than the smaller cartridges, the 8mm Remington Magnum can cause the lighter 150 and 175 grain bullets to fragment when driven at top speeds. This cartridge is at its best when used with toughly constructed bullets, designed specifically for it. Sierra's 220 grain Spitzer boat tail is such a bullet and is highly recommended for all big game applications.

Despite its impressive performance, the 8mm Remington has not fared well in the American market. Remington dropped the caliber from its line of standard offerings in the Model 700 in 1985. The 8mm Magnum is still available from the Remington custom shop for those hunters who need the flat shooting, hard hitting performance this cartridge delivers. The 8mm Magnum seems headed for obsolescence, regardless of its potential. This is unfortunate, as it is a very useful yet highly specialized hunting cartridge. It will be missed.



8mm Remington Magnum

Bullet		Caliber	Weight	Type	C.O.A.L.			
	#2400	.323"	150gr.	SPT	3.600"			
Powder	Velocity	3000	3100	3200	3300	3400	3450	
A 4350		77.0	79.5	82.0	84.5	87.0		
IMR 4350		76.0	78.2	80.4	82.6	84.8		
H4350		76.4	78.8	81.2	83.6	86.0		
RE 19		80.9	83.0	85.1	87.2	89.3	90.4	
Viht N160		76.6	79.0	81.4	83.8	86.2	87.4	
IMR 4831		79.4	81.5	83.6	85.7	87.8		
A 3100		83.0	85.2	87.4	89.6			
H4831 SC		81.1	83.4	85.7	88.0			
MagPro		84.0	86.8	89.6	92.4	95.2		
Viht N165			86.4	88.6	90.8	93.0		
RE 22		78.2	81.0	83.8	86.6	89.4	90.8	
IMR 7828		83.6	85.9	88.2	90.5			
Energy Ft. lbs		2997	3200	3410	3626	3850	3964	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	A 4350	84.5	3300	3626				
Hunting Load	H4350	86.0	3400	3850				

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		Bullet	Caliber	Weight	Type	C.O.A.L.		
		#2410	.323"	175gr.	SPT	3.600"		
Powder	Velocity	2700	2800	2900	3000	3100	3200	3300
A 4350		70.5	72.8	75.1	77.4	79.7	82.0	
IMR 4350		69.9	72.1	74.3	76.5	78.7	80.9	
H4350		69.5	72.0	74.5	77.0	79.5	82.0	
RE 19		73.5	75.8	78.1	80.4	82.7	85.0	
Viht N160			72.0	74.6	77.2	79.8	82.4	85.0
IMR 4831		72.5	74.8	77.1	79.4	81.7	84.0	
A 3100		75.2	77.6	80.0	82.4	84.8	87.2	
H4831 SC		73.3	76.0	78.7	81.4	84.1	86.8	
MagPro			78.0	81.0	84.0	87.0	90.0	93.0
RE 22			76.0	78.4	80.8	83.2	85.6	88.0
IMR 7828		76.6	79.0	81.4	83.8	86.2	88.6	
H1000		81.4	84.4	87.4	90.4	93.4		
Energy Ft. lbs		2832	3046	3267	3497	3734	3978	4231
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	H4350	79.5	3100	3734				
Hunting Load	Viht N160	82.4	3200	3978				

		Bullet	Caliber	Weight	Type	C.O.A.L.		
		#2415	.323"	200gr.	HPBT MatchKing	3.600"		
Powder	Velocity	2700	2800	2900	3000	3100	3150	
IMR 4831		73.2	75.4	77.6	79.8			
H4831 SC		74.2	76.8	79.4	82.0			
MagPro		78.1	81.4	84.7	88.0	91.3	93.0	
RE 22		73.6	75.7	77.8	79.9	82.0		
IMR 7828		76.4	78.8	81.2	83.6	86.0		
Magnum		80.4	83.4	86.4	89.4			
RE 25		79.9	82.3	84.7	87.1	89.5		
Retumbo		83.5	86.3	89.1	91.9			
Energy Ft. lbs		3237	3481	3734	3996	4267	4406	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	IMR 7828	83.6	3000	3996				

Sierra does not recommend MatchKing bullets for hunting applications.

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Bullet Caliber Weight Type		C.O.A.L.						
		#2420	.323"	220gr.	SBT	3.600"		
Powder ∨	Velocity >	2600	2700	2800	2850	2900	2950	3000
IMR 4320		63.4	66.2	69.0				
A 4350		68.6	70.8	73.0	74.1	75.2		
IMR 4350		67.6	70.0	72.4	73.6			
RE 19		71.2	73.7	76.2	77.5	78.7	80.0	
IMR 4831		70.8	73.2	75.6	76.8	78.0		
A 3100		72.8	75.3	77.8				
H4831 SC		71.6	74.4	77.2	78.6	80.0		
MagPro		75.4	78.8	82.2	83.9	85.6	87.3	89.0
Viht N165		74.3	77.2	80.1	81.6	83.0		
RE 22		71.3	73.7	76.1	77.3	78.5	79.7	80.9
IMR 7828		74.4	76.8	79.2	80.4	81.6	82.8	84.0
H1000		79.1	82.2	85.3	86.9			
Magnum		78.1	81.1	84.1	85.6	87.1	88.6	
RE 25		76.2	78.9	81.6	83.0	84.3	85.7	87.0
Retumbo		80.3	83.1	85.9	87.3	88.7		
Energy Ft. lbs		3302	3561	3829	3967	4108	4250	4396
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	IMR 4350	72.4	2800	3829				
Hunting Load	IMR 7828	82.8	2950	4250				