7mm Remington Magnum

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1- 9"

Components:

Case: Nosler

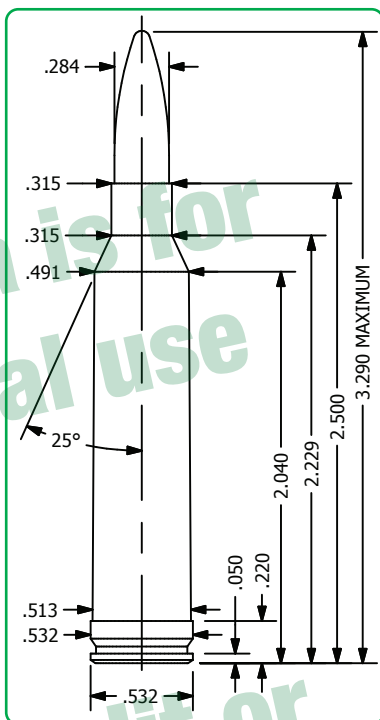Trim-to Length: 2.490"

Primer: WLRM

Remarks:

The history of U.S. ordnance is full of examples of good cartridges that have passed into obsolescence. The 219 Zipper, 284 Winchester and 6.5 Remington Magnum were all fine ideas, but terribly limited by the rifles for which they were introduced. Some, like the 244 and 280 Remington, have survived after being reintroduced in different rifles or in slightly modified versions of the same gun. When Remington brought out their 7mm Magnum in 1962, however, they did everything right the first time. Introduced in what was then the new Model 700 bolt action, both rifle and cartridge have gone on to become phenomenally popular. Today, the 7mm Remington Magnum consistently ranks among the top ten most popular cartridges, based on reloading die sales.

The 7mm Remington Magnum is, first and foremost, a hunting cartridge and has been used to take virtually every big game species in North America, including big bears. Realistically, it is probably at its best when used in long range, open country hunting typical of western big game territory. While its primary use is in the hunting fields, the cartridge's flat trajectory and inherent accuracy has attracted the interest of competitive shooters as well. Eight years after its introduction, it was used in conjunction with Sierra's 168 grain MatchKing to win the prestigious 1000 yard Wimbledon match at Camp Perry. At one time, the U.S. Secret Service countersniper teams were armed with custom-built, 7mm Remington Magnums. Considering their stringent requirements for 1000 yard accuracy, this is quite a recommendation for the versatile 7mm Remington Magnum.

With the advent of the newer MatcKings, 180, 183, and 197 grains, the 7mm Remington Magnum has been very successful again. Then with the addition of the GameChanger line of heavily constructed, stream lined, and superbly accurate hunting bullets, the horizons just keep getting extended.

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7mm Remington Magnum

	Bullet	Caliber	Weight	Type		C.O.A.L.
	#1895	.284"	100gr.	HP		3.150"

Powder ∨ Velocity >	3300	3350	3400	3450	3500	3550	3600
H4350	66.9	68.5	69.9	71.0	72.0	72.7	73.2
Hybrid 100V	62.6	63.7	64.8	65.9	66.9	67.9	68.8
RE 19	71.7	72.4	73.2	74.0	74.7	75.6	76.4
H4831sc	72.8	73.7	74.6	75.5	76.4		
IMR 4955 End.	68.3	69.2	70.1	71.0	71.8		
N560	73.2	73.9	74.6	75.4	76.2	77.1	
N165	74.4	75.3	76.1	76.9	77.7		
RE 23	70.1	70.9	71.7	72.6	73.4	74.2	75.1
IMR 7828ssc	74.1	74.9	75.6	76.3	77.0	77.7	
IMR 7977 End.	75.8	76.7	77.7	78.5			
Energy Ft. Lbs	2418	2491	2566	2642	2720	2798	2877

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	H4350	73.2	3600	2877
Hunting Load	RE 19	76.4	3600	2877

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7mm Remington Magnum

	Bullet	Caliber	Weight	Type		C.O.A.L.
	#1900	.284"	120gr.	SPT		3.150"

Powder ∨ Velocity >	3100	3150	3200	3250	3300	3350	3400
H4350	62.8	63.7	64.7	65.9	67.2		
RE 19	70.0	70.9	71.9	72.8	73.7	74.5	75.3
H4831sc	69.6	70.7	71.7	72.7	73.7		
IMR 4955 End.	64.5	65.8	67.1	68.4			
N560	70.7	71.5	72.4	73.2	74.1	74.9	
N165	72.2	73.1	74.2	75.2	76.4	77.5	
RE 23	67.1	68.1	69.1	70.1	71.1	72.1	73.0
IMR 7828ssc	70.7	71.6	72.5	73.3	74.1		
IMR 7977 End.	73.0	73.8	74.7	75.7	76.8	77.9	
H1000	73.6	74.5	75.4	76.4	77.4	78.5	
Magnum	74.5	75.7	76.9	78.1	79.4	80.8	
Energy Ft. Lbs	**2560**	**2643**	**2728**	**2814**	**2901**	**2990**	**3080**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	N560	74.9	3350	2990
Hunting Load	RE 19	75.3	3400	3080

INDICATES MAXIMUM LOAD - USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

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7mm Remington Magnum

Bullet	Caliber	Weight	Type		C.O.A.L.
#1903	.284"	130gr.	HPBT Match		3.215"

Powder ∨ Velocity >	3000	3050	3100	3150	3200	3250	3300
H4350	62.0	63.1	64.2	65.4	66.5		
RE 19	66.0	67.2	68.3	69.3	70.2	71.1	71.8
H4831sc	67.6	68.8	69.9	71.0	72.1		
IMR 4955 End.	64.1	65.2	66.2	67.3			
N560	68.0	69.0	69.9	70.7	71.5	72.3	73.1
N165	69.6	70.7	71.6	72.6	73.6	74.5	
RE 23	64.3	65.7	66.9	68.1	69.1	70.1	
IMR 7828ssc	68.7	69.7	70.6	71.4	72.2	72.9	
IMR 7977 End.	70.0	71.0	71.8	72.6	73.3		
H1000	70.7	71.7	72.7	73.7	74.7	75.7	
RE 26	69.7	70.7	71.5	72.4	73.1	73.8	74.4
Magnum	72.4	73.6	74.9	76.1	77.4	78.7	80.0
Energy Ft. Lbs	**2597**	**2685**	**2774**	**2864**	**2955**	**3048**	**3143**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	H1000	75.7	3250	3048

Sierra does not recommend MatchKing bullets for hunting applications.

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577

7mm Remington Magnum

	Bullet	Caliber	Weight	Type		C.O.A.L.
	#1905	.284"	140gr.	SBT		3.240"
	#1910	.284"	140gr.	SPT		3.240"
	#1912	.284"	140gr.	HPBT		3.180"

Powder ⌄ Velocity >	2900	2950	3000	3050	3100	3150	3200
H4350	57.2	58.9	60.4	62.0	63.5	64.9	
RE 19	63.9	65.1	66.3	67.5	68.5	69.4	70.3
H4831sc	62.9	64.5	66.0	67.5	68.8	70.1	
IMR 4955 End.	61.6	62.9	64.1	65.2	66.3		
N560	66.2	67.1	68.0	68.9	69.7	70.5	
N165		64.3	65.8	67.3	68.9		
RE 23	61.9	63.3	64.6	65.9	67.2	68.4	69.7
IMR 7828ssc	65.4	66.8	68.1	69.2	70.3	71.3	
RE 25	65.3	66.6	68.0	69.4	70.9	72.3	73.8
IMR 7977 End.	68.6	69.7	70.8	71.9	73.0	74.0	
H1000	67.7	69.2	70.6	71.9	73.0	73.9	74.7
RE 26	64.3	65.7	67.0	68.3	69.5	70.6	71.7
Magnum	70.8	72.0	73.1	74.3	75.4	76.5	77.7
Retumbo	69.4	70.8	72.1	73.2	74.2	75.1	75.9
Energy Ft. Lbs	**2614**	**2705**	**2797**	**2891**	**2987**	**3084**	**3183**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	Retumbo	75.9	3200	3183
Hunting Load	RE 19	70.3	3200	3183

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7mm Remington Magnum

	Bullet	Caliber	Weight	Type		C.O.A.L.
	#1913	.284"	150gr.	SBT		3.240"
	#1915	.284"	150gr.	HPBT Match		3.240"

Powder ∨ / Velocity >	2800	2850	2900	2950	3000	3050	3100
H4350	56.8	58.1	59.4	60.7	62.0		
RE 19	61.3	62.7	63.9	65.1	66.3	67.3	68.3
H4831sc	61.4	63.0	64.4	65.8	67.1	68.4	
IMR 4955 End.	60.7	61.9	63.1	64.4	65.6		
N560	63.7	64.9	66.0	67.1	68.0	68.9	69.6
N165	60.4	61.6	63.1	64.8	66.7		
RE 23	60.2	61.5	62.8	64.1	65.4	66.7	68.0
IMR 7828ssc	63.8	65.1	66.3	67.5	68.7	69.8	
RE 25			65.9	67.9	69.7	71.3	72.7
IMR 7977 End.	68.3	69.3	70.3	71.3	72.1	72.9	
H1000	65.9	67.2	68.4	69.7	70.9	72.1	73.4
Magnum	68.9	70.0	71.0	72.2	73.3	74.5	75.7
Retumbo	63.6	64.9	66.1	67.3	68.5	69.7	70.9
Energy Ft. Lbs	**2611**	**2705**	**2801**	**2898**	**2997**	**3098**	**3200**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	H1000	73.4	3100	3200
Hunting Load	RE 19	68.3	3100	3200

Sierra does not recommend MatchKing bullets for hunting applications.

7mm Remington Magnum

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1920	.284"	160gr.	SBT	3.240"
	#1925	.284"	160gr.	HPBT	3.200"
	#7660	.284"	160gr.	TMK Match	3.290"

Powder ∨ Velocity >	2700	2750	2800	2850	2900	2950	3000
H4350	56.5	57.9	59.1	60.3	61.5	62.6	
H4831sc	60.9	62.2	63.5	64.7	65.9	67.1	
IMR 4955 End.	59.2	60.4	61.5	62.6	63.7		
N560	62.5	63.6	64.6	65.5	66.4	67.3	68.1
N165	60.9	62.5	64.1	65.8	67.4		
RE 23	58.6	59.9	61.3	62.6	63.8	65.1	66.3
IMR 7828ssc	62.0	63.3	64.6	65.7	66.8	67.8	
RE 25		64.7	66.7	68.5	70.1	71.4	72.4
IMR 7977 End.	66.0	67.1	68.2	69.2	70.2	71.1	
H1000	64.2	65.6	66.9	68.1	69.3	70.4	71.4
RE 26	62.6	63.7	64.9	66.0	67.1	68.2	69.2
Magnum	67.3	68.4	69.6	70.7	71.9	73.0	74.1
Retumbo	66.4	67.6	68.7	69.8	70.9	71.9	72.9
Energy Ft. Lbs	2589	2686	2785	2885	2987	3091	3197

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 7828ssc	67.8	2950	3091
Hunting Load	N560	68.1	3000	3197

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7mm Remington Magnum

	Bullet	Caliber	Weight	Type		C.O.A.L.
	#1930	.284"	168gr.	HPBT Match		3.290"
	#4565	.284"	165gr.	TGK		3.290"

Powder ∨ Velocity >	2700	2750	2800	2850	2900	2950
H4350	56.4	57.7	59.0			
RE 19	59.2	60.6	61.9	63.3	64.5	
H4831sc	60.9	62.3	63.7	65.0		
IMR 4955 End.	59.0	60.2	61.6			
N560	62.5	63.8	65.1	66.3	67.5	
RE 23	59.4	60.7	62.1	63.4	64.6	65.9
IMR 7828ssc	62.0	63.3	64.5	65.8	67.0	
RE 25	62.8	65.1	67.0	68.7	70.1	71.2
IMR 7977 End.	65.4	66.6	67.8	69.0	70.3	
H1000	64.2	65.6	67.0	68.3	69.5	70.6
RE 26	62.3	63.7	65.0	66.3	67.6	68.8
Magnum	67.4	68.6	69.8	70.9	72.0	73.1
Retumbo	65.5	66.9	68.3	69.5	70.7	71.8
Energy Ft. Lbs	**2670**	**2770**	**2872**	**2975**	**3081**	**3188**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	RE 25	71.2	2950	3188
Hunting Load	RE 23	65.9	2950	3188

Sierra does not recommend MatchKing bullets for hunting applications.

7mm Remington Magnum

	Bullet	Caliber	Weight	Type		C.O.A.L.
	#1940	.284"	175gr.	SBT		3.290"
	#1975	.284"	175gr.	HPBT Match		3.290"*

*requires 1 x 8.5" twist or faster twist

Powder ⌄ Velocity >	2600	2650	2700	2750	2800	2850	2900
H4350	55.2	56.6	57.7	58.6			
RE 19			60.2	61.7	63.1	64.4	65.6
H4831sc	59.2	60.6	61.9	63.2	64.4		
IMR 4955 End.	56.8	58.1	59.5	60.9			
N560	60.2	61.6	62.9	64.2	65.5	66.7	
RE 23	57.1	58.5	59.9	61.4	62.9	64.4	
RE 25	61.4	63.5	65.3	67.0	68.4	69.6	70.7
IMR 7977 End.	61.5	62.5	63.8	65.3	67.1	69.2	
H1000	62.3	63.7	65.1	66.4	67.7	68.9	
RE 26	61.0	62.4	63.7	65.0	66.3	67.6	
Magnum	64.4	66.0	67.4	68.8	70.2	71.5	
Retumbo	63.7	65.3	66.8	68.2	69.4	70.6	
RE 33				72.1	73.4	74.6	75.9
Energy Ft. Lbs	**2626**	**2728**	**2832**	**2938**	**3046**	**3156**	**3267**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	H1000	68.9	2850	3156
Hunting Load	RE 19	65.6	2900	3267

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INDICATES MAXIMUM LOAD - USE CAUTION
LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.

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7mm Remington Magnum

	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1980	.284"	180gr.	HPBT Match	3.290"*
	#1983	.284"	183gr.	HPBT Match	3.290"*

*requires 1 x 8" twist or faster twist

Powder ⌄ Velocity >	2600	2650	2700	2750	2800	2850	2900
RE 19	58.6	59.9	61.1	62.3	63.6	64.8	
H4831sc	58.7	60.1	61.6	63.0			
IMR 4955 End.	57.6	59.0	60.3				
RE 23	58.1	59.6	61.0	62.3	63.5		
IMR 7828ssc	60.3	61.5	62.7	63.9	65.0		
RE 25	62.2	64.3	66.1	67.6	68.8	69.8	
IMR 7977 End.	64.6	65.7	66.7	67.6	68.5		
H1000	62.8	64.1	65.4	66.7	67.8		
RE 26	60.4	61.7	63.0	64.3	65.6		
Magnum	65.3	66.9	68.3	69.6	70.8	71.7	
Retumbo	63.8	65.1	66.4	67.7	68.9	70.1	
RE 33		70.6	71.9	73.2	74.5	75.8	77.2
Energy Ft. Lbs	2701	2806	2913	3022	3133	3246	3361

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	RE 25	69.8	2850	3246

Sierra does not recommend MatchKing bullets for hunting applications.

INDICATES MAXIMUM LOAD - USE CAUTION
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583

7mm Remington Magnum

	Bullet	Caliber	Weight	Type		C.O.A.L.
	#1997	.284"	197gr.	HPBT Match		3.290"*

*requires 1 x 7.5" twist or faster twist

Powder ∨ Velocity >	2500	2550	2600	2650	2700	2750	2800
RE 23	57.6	58.9	60.2	61.4	62.6		
IMR 7828ssc	59.0	60.4	61.7	63.2			
RE 25	61.5	62.8	64.0	65.2	66.4	67.5	
IMR 7977 End.	62.5	63.8	65.0	66.2	67.5		
H1000	60.1	61.6	63.0	64.4	65.7		
RE 26		59.9	61.0	62.2	63.2	64.3	
Magnum		65.3	66.6	67.8	68.8		
Retumbo	62.1	63.4	64.7	66.1	67.5	69.0	
RE 33	66.4	67.8	69.1	70.5	71.9	73.2	74.6
US869	72.6	73.7	74.9	76.1	77.4	78.7	
Energy Ft. Lbs	**2733**	**2844**	**2957**	**3071**	**3188**	**3307**	**3429**

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	RE 26	64.3	2750	3307

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