

.270 WEATHERBY MAGNUM

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-10"

Components:

Case: Norma

Trim-to Length: 2.540"

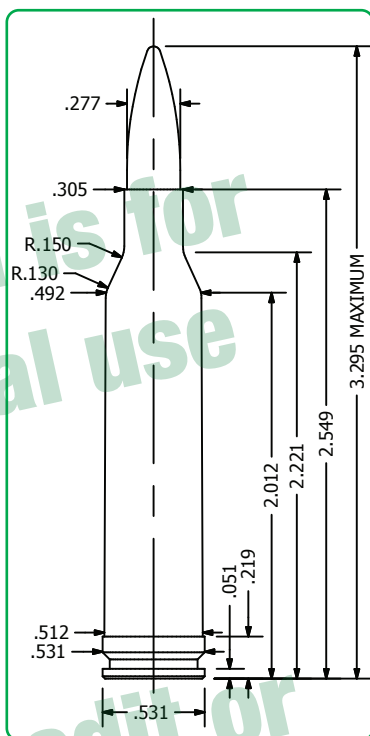
Primer: WLRM

Remarks:


The .270 Magnum was the first of Roy Weatherby's modern line of magnum cartridges. Introduced in 1943, the .270 Weatherby was based on a shortened .300 H&H Magnum case, blown out to reduce the body taper and increase capacity. Like the rest of its brethren, the .270 has the distinctive double radius shoulder, common to the Weatherby cartridges. Despite the .270 Winchester's long standing popularity, the .270 Weatherby is the only other factory cartridge to ever gain real prominence in this bore size. Viewed from this angle, Weatherby's .270 is the unquestioned powerhouse of its class.

The .270 Weatherby is a hunting cartridge, pure and simple. With roughly 25% greater capacity, the big Weatherby can deliver a solid 300 feet per second more velocity than Winchester's .270, when both are loaded with the same bullet. In the hunting fields, it covers about the same range of game as the Remington 7mm Magnum cartridge. As with any high velocity magnum cartridge, the handloader will need to carefully match the bullet to the game. 130 or 140 grain bullets are recommended for deer and antelope. The 140 GameChanger (TGK) and 150 grain bullets for elk, moose, and caribou. Sierra's thin skinned 90 and 110 grain .277" bullets give outstanding results on varmints, though the Weatherby is a bit much for a dedicated varmint rifle.

Reloading for the .270 Weatherby calls for large doses of slow burning powder. In this respect, it is no different than any other large capacity medium bore cartridge. As with the rest of the Weatherby magnums, we strongly recommend the use of Federal 215 Magnum primers. This primer was designed specifically for the Weatherby cartridges, and will ensure the consistent, dependable ignition required for best accuracy and top velocities. Like all belted cartridges, best case life and accuracy will result when the brass is sized no more than necessary for easy chambering.





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Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1800	.277"	90gr.	HP	3.160"				
Powder	Velocity	3500	3550	3600	3650	3700	3750	3800	
H4831sc	73.7	74.8	76.0	77.3	78.6	80.0			
IMR 4955 End.	69.9	71.2	72.5	74.0					
N560	75.1	76.0	76.9	77.8	78.9	80.0			
N165	77.9	79.0	80.1	81.3					
RE 23	70.9	71.9	72.9	73.9	74.9	76.0			
IMR 7828ssc	74.5	75.4	76.2	77.1	77.9				
RE 25	79.9	81.1	82.4						
IMR 7977 End.	79.7	81.1							
H1000	78.6	79.8	81.1	82.4					
RE 26	76.1	76.8	77.6	78.4	79.3	80.2	81.3		
Magnum	80.2	81.4	82.7	83.9					
Energy Ft. Lbs	2448	2518	2589	2662	2735	2810	2885		
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	RE 25	82.4	3600	2589					
Hunting Load	RE 26	81.3	3800	2885					

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1810	.277"	110gr.	SPT	3.250"
	#1815	.277"	115gr.	HPBT Match	3.290"

Powder ∨	Velocity >	3200	3250	3300	3350	3400	3450	3500
H4831sc		71.5	72.6	73.8	75.0	76.2		
IMR 4955 End.		69.3	70.2	71.1	72.0			
N560		72.9	73.8	74.8	75.7	76.5		
N165		74.5	75.5	76.5	77.5			
RE 23		67.7	68.7	69.7	70.7	71.8	72.8	
IMR 7828ssc		72.5	73.4	74.3	75.3			
RE 25		75.4	76.3	77.3	78.3	79.4	80.5	
IMR 7977 End.		75.9	76.9	77.9	78.9	79.9		
H1000		72.8	74.3	75.7	77.1	78.5		
RE 26		72.0	73.1	74.1	75.1	76.1	76.9	77.8
Magnum		76.2	77.3	78.3	79.2	80.0		
Returnbo		75.6	76.8	78.0	79.3	80.5	81.9	
Energy Ft. Lbs		2501	2579	2659	2741	2823	2907	2992

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	Magnum	80.0	3400	2823
Hunting Load	RE 26	77.8	3500	2992

Sierra does not recommend MatchKing bullets for hunting applications.

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1820	.277"	130gr.	SBT	3.250"
	#1830	.277"	130gr.	SPT	3.250"
	#1833	.277"	135gr.	HPBT Match	3.295"

Powder ▾	Velocity >	2900	2950	3000	3050	3100	3150	3200
H4831sc		65.2	66.3	67.4	68.4	69.5	70.6	71.7
IMR 4955 End.		62.1	63.2	64.3	65.4	66.4		
N560		66.1	67.0	68.0	68.9	69.9	70.9	71.9
N165		68.0	68.9	69.7	70.6	71.4	72.3	73.1
RE 23		62.8	63.7	64.7	65.7	66.7	67.7	68.7
IMR 7828ssc		65.8	66.7	67.6	68.6	69.5	70.5	71.5
RE 25		70.2	70.9	71.7	72.5	73.3	74.1	74.9
IMR 7977 End.		70.9	71.8	72.6	73.4	74.2	74.9	75.6
H1000		67.4	68.8	70.0	71.2	72.2	73.2	74.0
RE 26		67.5	68.2	68.9	69.7	70.6	71.5	72.6
Magnum		70.4	71.2	72.1	73.1	74.1	75.3	76.6
Retumbo		69.9	70.9	71.9	72.9	73.8	74.7	75.5
RE 33		77.6	78.6	79.5	80.5	81.5	82.5	83.5
Energy Ft. Lbs		2427	2512	2597	2685	2774	2864	2955


Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	N560	71.9	3200	2955
Hunting Load	H4831sc	71.7	3200	2955

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		Bullet	Caliber	Weight	Type						C.O.A.L.
	#1835	.277"	140gr.	HPBT						3.250"	
	#1845	.277"	140gr.	SBT						3.250"	
	#4440	.277"	140gr.	TGK						3.250"	
Powder	Velocity	2900	2950	3000	3050	3100	3150	3200			
H4831sc	62.7	64.0	65.3	66.7	68.2						
N560	64.7	65.8	66.9	68.0	69.0	70.0					
N165	64.6	66.9	68.7	70.1							
RE 23	62.0	63.2	64.3	65.4	66.5						
IMR 7828ssc	64.8	66.0	67.1	68.1							
RE 25	68.0	69.5	70.8	71.9	73.0	73.9					
IMR 7977 End.	69.8	70.8	71.8	72.8	73.7						
H1000		67.1	68.7	70.2	71.6	72.9					
RE 26	66.2	67.4	68.6	69.8	70.8	71.7					
Magnum	69.5	70.5	71.6	72.8	74.2						
Retumbo	67.9	69.1	70.3	71.5	72.8	74.1					
N570	70.1	71.6	72.9	74.2	75.4	76.6	77.7				
RE 33	75.1	76.3	77.5	78.6	79.7	80.7	81.7				
Energy Ft. Lbs	2614	2705	2797	2891	2987	3084	3183				
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs							
Accuracy Load	H1000	72.9	3150	3084							
Hunting Load	N570	77.7	3200	3183							

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Bullet		Caliber	Weight	Type	C.O.A.L.				
		#1840	.277"	150gr.	SBT	3.250"			
Powder	Velocity	2800	2850	2900	2950	3000	3050	3100	
H4831sc		61.8	63.3	64.7	66.2	67.7			
N560		63.7	65.0	66.2	67.4	68.5	69.5		
N165			66.2	67.6	68.9				
RE 23		61.3	62.6	63.8	65.0	66.2			
IMR 7828ssc		64.5	65.7	66.8	67.9	68.9			
RE 25		67.9	69.1	70.2	71.3	72.2	73.1	73.9	
IMR 7977 End.		69.2	70.2	71.2	72.2	73.1	74.0		
H1000		66.4	67.7	69.0	70.2	71.5	72.7		
RE 26		64.9	66.1	67.2	68.3	69.4	70.5		
Magnum		69.5	70.4	71.3	72.4	73.5			
Retumbo		67.8	69.1	70.3	71.4	72.5	73.5		
N570			69.2	70.4	71.7	72.9	74.1	75.2	
RE 33			75.4	76.4	77.4	78.5	79.6	80.7	
24N41		76.4	77.5	78.6	79.7				
Energy Ft. Lbs		2611	2705	2801	2898	2997	3098	3200	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	N560	69.5	3050	3098					
Hunting Load	RE 25	73.9	3100	3200					