

7mm WINCHESTER SHORT MAGNUM (WSM)

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-8"

Components:

Case: Bertram Brass

Trim-to Length: 2.090"

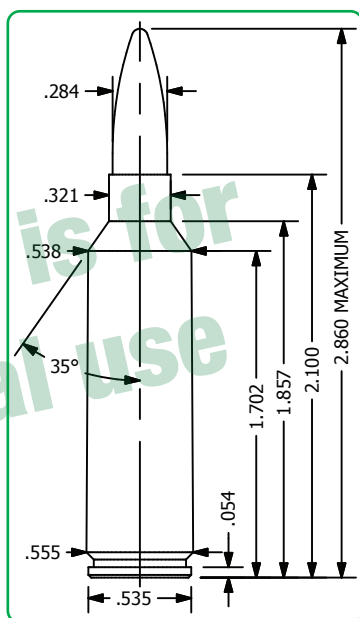
Primer: WLRM

Remarks:




Winchester's third entry in the rush to short action magnums, the 7mm WSM offers a near ideal level of performance for most North American big game species. Providing the power of the venerable 7mm Remington Magnum in a shorter, lighter rifle, the 7mm WSM also dispenses with the archaic belted design of the older cartridge. At nearly an inch shorter than some of the full length magnum cartridges, the WSM makes sense when rifle weight is a primary consideration. In an action length previously reserved for cartridges like the 308 Winchester, the 7mm WSM generates true magnum power.

Like many of the other short magnums introduced in the last few years, the 7mm WSM is based on the old 404 Jefferey case. With a larger body diameter than our more established belted magnums, the new design allows similar performance in shorter cartridges. While this configuration is thought to offer improved accuracy, it places some constraints on bullet selection. Longer, heavier bullets that require deeper seating to stay within established OAL specifications intrude on powder capacity. Utilizing a larger action to accommodate longer or heavier bullets would be counterproductive, and defeat the whole concept of a short magnum. Designed more around the 140 to 160 grain weights, the 7mm WSM fulfills its intended role superbly. Sierra offers several bullets within this weight range that should be suitable for all but our largest and toughest big game.

Considering its similar capacity, the 7mm WSM is well adapted to powders normally associated with the 7mm Remington Magnum. Magnum primers should get the nod here to ensure proper ignition and best accuracy.





7mm WINCHESTER SHORT MAGNUM (WSM)




	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1905	.284"	140gr.	SBT	2.840"			
	#1910	.284"	140gr.	SPT	2.840"			
	#1912	.284"	140gr.	HPBT	2.840"			
Powder ▾	Velocity >	2750	2850	2900	2950	3000	3050	3100
IMR 4451 End.	52.7	55.0	56.1	57.2	58.3	59.5		
H4350	49.6	52.0	53.3	54.6	55.9			
RE 16		52.6	53.8	55.2	56.5	58.0		
Hybrid 100V		52.2	53.4	54.6	55.9			
H4831sc		58.7	60.0	61.4	62.8	64.2		
N560		59.4	60.5	61.8	63.0	64.3	65.7	
Energy Ft. Lbs		2351	2525	2614	2705	2797	2891	2987
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb		
Accuracy Load	H4831sc	64.2		3050		2891		
Hunting Load	N560	65.7		3100		2987		

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7mm WINCHESTER SHORT MAGNUM (WSM)

Bullet Caliber Weight Type								C.O.A.L.
	#1913	.284"	150gr.	SBT				2.840"
	#1915	.284"	150gr.	HPBT Match				2.860"
Powder ▾	Velocity >	2600	2700	2800	2850	2900	2950	3000
IMR 4451 End.			52.8	55.2	56.4	57.5	58.6	
H4350	48.1		50.5	52.9	54.0	55.1		
RE 16			50.1	52.6	53.9	55.3	56.6	
Hybrid 100V			50.2	52.4	53.7	55.0	56.4	
Hunter	51.9		54.2	56.4	57.5	58.5		
H4831sc				58.0	59.4	60.8	62.2	
IMR 4955 End.	51.0		53.8	56.6	57.9	59.2		
N560			56.8	59.0	60.1	61.4	62.7	64.0
IMR 7828ssc			57.4	59.7	60.9	62.1	63.3	
Energy Ft. Lbs		2251	2428	2611	2705	2801	2898	2997
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb		
Accuracy Load	IMR 4451 End.	58.6		2950		2898		
Hunting Load	N560	64.0		3000		2997		
Sierra does not recommend MatchKing bullets for hunting applications.								



7mm WINCHESTER SHORT MAGNUM (WSM)

Bullet Caliber Weight Type					C.O.A.L.			
	#1920	.284"	160gr.	SBT	2.840"			
	#1925	.284"	160gr.	HPBT	2.840"			
	#7660	.284"	160gr.	TMK Match	2.960"			
Powder ▾	Velocity >	2450	2550	2650	2750	2800	2850	2900
IMR 4451 End.		49.2	51.4	54.0	55.4			
A 4350		48.0	50.7	53.3	54.7			
H4350		46.9	49.4	51.7	52.9			
RE 16		46.8	49.5	52.2	53.6	54.9		
Hybrid 100V		47.0	49.4	51.9	53.1	54.4		
Hunter		50.3	52.6	55.1	56.4	57.7		
H4831sc		51.7	54.1	56.7	58.1	59.6		
IMR 4955 End.	48.2	50.7	53.0	55.2	56.3			
N560				55.4	57.7	59.0	60.3	61.8
RE 23				53.4	56.1	57.5	59.0	60.5
IMR 7828ssc		54.0	56.3	58.8	60.1	61.5	62.9	
H1000				57.3	59.8	61.2	62.6	64.1
Energy Ft. Lbs		2132	2310	2494	2686	2785	2885	2987
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	N560	61.8	2900	2987				
Hunting Load	RE 23	60.5	2900	2987				
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7mm WINCHESTER SHORT MAGNUM (WSM)

Bullet Caliber Weight Type								C.O.A.L.
		#1930	.284"	168gr.	HPBT Match			2.860"
		#4565	.284"	165gr.	TGC			2.860"
Powder ▾	Velocity >	2400	2500	2600	2700	2800	2850	2900
IMR 4451 End.				52.5	55.2	57.7	58.8	
H4350			47.6	50.2	52.6	55.0	56.1	
Hybrid 100V				49.6	52.5	55.3	56.8	58.3
H4831sc				54.1	57.0	60.0	61.5	
IMR 4955 End.		48.4	50.4	52.6	55.0	57.5		
N560				54.5	57.5	60.2	61.6	62.9
RE 23				52.9	55.8	58.9	60.5	
IMR 7828ssc				58.0	60.0	62.5	63.9	65.4
RE 25				57.8	60.6	63.3	64.6	66.0
H1000					61.1	64.9	66.4	67.7
Magnum				61.8	64.7	67.7	69.3	70.8
Retumbo				56.5	59.0	62.0	63.7	65.5
Energy Ft. Lbs		2110	2289	2476	2670	2872	2975	3081
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb		
Accuracy Load	N560	62.9		2900		3081		
Hunting Load	Hybrid 100V	58.3		2900		3081		
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7mm WINCHESTER SHORT MAGNUM (WSM)

Bullet Caliber Weight Type					C.O.A.L.			
	#1940	.284"	175gr.	SBT	2.860"			
	#1975	.284"	175gr.	HPBT Match	2.860"*			
*requires 1 x 8.5" twist or faster twist								
Powder ▾	Velocity >	2450	2550	2600	2650	2700	2750	2800
IMR 4451 End.			51.7	53.0	54.4	55.7	57.1	
H4350	46.8	49.6	51.0	52.4	53.7			
RE 16		49.5	50.9	52.3	53.7	55.2		
Hybrid 100V		49.7	51.1	52.4	53.7	55.0	56.4	
H4831sc		54.2	55.5	57.0	58.5	60.1	61.8	
IMR 4955 End.	50.2	52.8	54.1	55.4	56.6			
N560		53.7	55.1	56.7	58.2	59.9		
RE 23		53.1	54.6	56.0	57.3	58.5		
IMR 7828ssc		55.1	56.3	57.6	58.9	60.3		
RE 25	55.3	57.2	58.4	59.6	61.0	62.5		
H1000			58.6	60.3	62.1	63.8	65.4	
Magnum		62.4	64.1	65.8	67.4	69.0		
Retumbo		59.2	60.4	61.8	63.3	64.9	66.6	
Energy Ft. Lbs		2332	2526	2626	2728	2832	2938	3046
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	RE 25	62.5	2750	2938				
Hunting Load	Hybrid 100V	56.4	2800	3046				
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7mm WINCHESTER SHORT MAGNUM (WSM)

Bullet Caliber Weight Type								C.O.A.L.
	#1980	.284"	180gr.	HPBT Match				2.900"*
	#1983	.284"	183gr.	HPBT Match				3.095"*
*requires 1 x 8" twist or faster twist								
Powder ▾	Velocity >	2250	2350	2450	2550	2600	2650	2700
IMR 4451 End.				51.4	53.8	55.0	56.3	
H4350			46.9	49.5	52.2	53.5		
RE 16			47.1	49.8	52.6	54.0		
Hybrid 100V				49.5	52.0	53.3	54.6	
H4831sc				52.5	55.6	57.1	58.6	
IMR 4955 End.	47.2	49.7		52.2	54.8	56.0		
N560				53.0	55.5	56.9	58.3	59.8
RE 23				52.0	55.1	56.7	58.2	
IMR 7828ssc			52.1	54.5	57.0	58.2	59.5	
RE 25				55.7	58.4	59.8	61.3	62.7
H1000				54.5	58.2	59.7	61.0	62.1
Magnum					62.3	63.8	65.4	67.1
Retumbo				55.1	58.4	60.0	61.6	63.2
Energy Ft. Lbs		2023	2207	2399	2598	2701	2806	2913
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb		
Accuracy Load	Magnum	67.1		2700		2913		
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7mm WINCHESTER SHORT MAGNUM (WSM)

Bullet Caliber Weight Type								C.O.A.L.
	#1997	.284"	197gr.	HPBT Match				3.120"*
*requires 1 x 7.5" twist or faster twist								
Powder ▾	Velocity >	2200	2300	2400	2450	2500	2550	2600
H4831sc				53.0	54.5	56.2	58.0	
IMR 4955 End.		47.1	49.5	52.0	53.3	54.7		
N560				53.8	55.3	56.7	58.2	59.6
RE 23				52.7	54.1	55.6	57.1	
IMR 7828ssc			52.6	55.3	56.6	57.8	59.0	
RE 25				57.2	58.5	59.8	61.1	62.4
H1000				55.1	56.6	58.0	59.5	61.1
Magnum				60.8	62.6	64.1	65.6	66.9
Retumbo				57.1	58.5	60.0	61.4	63.0
Energy Ft. Lbs		2117	2314	2519	2625	2733	2844	2957
Special Load	Powder	Grains		Velocity fps		Energy Ft. lb		
Accuracy Load	IMR 7828ssc	59.0		2550		2844		
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