

300 WINCHESTER SHORT MAGNUM (WSM)

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-9"

Components:

Case: Hornady

Trim-to Length: 2.090"

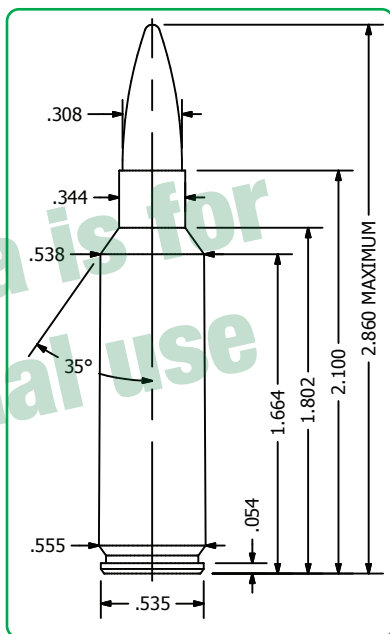
Primer: WLRM

Remarks:









Winchesters version of the new cartridge development fray with their 300 WSM at the centuries turn. They took a slightly different approach than several of their competitors. Rather than trying to produce a bigger or more powerful cartridge, they came very close to duplicating the performance of an existing round: their own 300 Winchester Magnum. Following several of the more modern concepts in case design, the 300 WSM utilizes the short, fat configuration that generally increases accuracy potential.

Winchester has also wisely deleted the belt, so long a hallmark of any "magnum" cartridge. And finally, the WSM series was dimensioned to fit a short (308 length) action. The result is a hard-hitting, lightweight hunting rifle with excellent accuracy potential. Given the similarity in velocities, most comments concerning the 300 Win Mag apply equally to the 300 WSM. One important difference is that because of OAL limitations set by the action length, the 300 WSM is probably best with medium to light heavyweight bullets of 150 to 180 grains. The heavier 200 and 220 grain bullets will require a seating depth that places too much of the projectile inside the case. This reduces available capacity that, in turn, reduces performance levels. Since 150, 165 and 180 grain bullets are suitable for most big game species, this shouldn't pose much of a problem. Optimum powder choices for the 300 WSM are the same ones normally associated with the 300 Win Mag. Hodgdon or IMR 4350 and 4831, H1000, Reloder 22 and similar powders should be the propellants of choice.

Of the spate of new high-performance 30 caliber cartridges, the 300 WSM may well be the best balanced and most useful of the bunch. Originally offered in Winchester's popular Model 70 Featherweight series, the 300 WSM is sure to become a popular cartridge and a useful addition to the line.



300 WINCHESTER SHORT MAGNUM (WSM)






	Bullet	Caliber	Weight	Type	C.O.A.L.
	#2115	.308"	150gr.	FMJBT	2.860"
	#2130	.308"	150gr.	SPT	2.850"
	#2125	.308"	150gr.	SBT	2.860"
	#2190	.308"	150gr.	HPBT Match	2.900"
	#2135	.308"	150gr.	RN	2.600"
	#2155	.308"	155gr.	HPBT Match	2.900"
	#2156	.308"	155gr.	Match Palma	2.960"
	#7755	.308"	155gr.	TMK	2.990"

Powder ▾	Velocity >	2750	2850	2950	3050	3150	3250	3300
H4350				58.6	61.5	64.1	66.5	
Hybrid 100V				60.3	62.6	64.6	66.5	67.4
RE 19			65.1	67.2	69.3	71.4	73.5	
Hunter					65.4	67.9	70.6	72.0
H4831sc				66.7	69.1	71.7	74.5	76.0
IMR 4955 End.					65.5	67.7		
RE 22				67.2	69.2	71.2	73.2	
N560			66.3	68.4	70.4	72.4	74.4	75.4
N165		66.6	69.1	71.5	73.8			
RE 23			63.8	65.9	68.2	70.7		
IMR 7828ssc				67.5	69.3	71.2	73.2	
H1000			68.4	70.7	73.7			
Magnum		69.8	72.6	75.1				
Energy Ft. Lbs		2518	2705	2898	3098	3304	3517	3626

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	N560	75.4	3300	3626
Hunting Load	Hybrid 100V	67.4	3300	3626

Sierra does not recommend MatchKing bullets for hunting applications.

300 WINCHESTER SHORT MAGNUM (WSM)







	Bullet	Caliber	Weight	Type	C.O.A.L.
	#2145	.308"	165gr.	SBT	2.860"
	#2140	.308"	165gr.	HPBT	2.810"
	#4665	.308"	165gr.	TGK	2.860"
	#2200	.308"	168gr.	HPBT Match	2.875"
	#7768	.308"	168gr.	TMK Match	2.975"

Powder	Velocity	2750	2850	2950	3050	3100	3150	3200
H4350			57.9	60.5	63.0	64.2		
Hybrid 100V				60.7	62.8	63.9	64.9	
RE 19			63.5	65.8	68.0	69.1	70.1	
Hunter				65.2	67.5	68.8	70.1	71.5
H4831sc				65.9	68.6	70.0	71.3	
IMR 4955 End.			61.5	64.0	66.6	67.9		
RE 22				66.3	69.0	70.1	71.1	72.0
N560			64.4	66.6	68.9	70.1	71.3	72.5
N165			66.2	68.7	72.0			
RE 23			61.5	64.0	66.4	67.6	68.8	70.0
IMR 7828ssc	63.8	65.5	67.5	69.6	70.7			
H1000		67.7	70.5	73.0	74.3	75.5		
Magnum	68.8	71.6	74.0	76.3	77.3			
Energy Ft. Lbs		2770	2975	3188	3408	3520	3635	3751

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	IMR 7828ssc	70.7	3100	3520
Hunting Load	Hunter	71.5	3200	3751

Sierra does not recommend MatchKing bullets for hunting applications.

300 WINCHESTER SHORT MAGNUM (WSM)



Bullet	Caliber	Weight	Type	C.O.A.L.
	#2275	.308"	175gr. HPBT Match	2.860"
	#7775	.308"	175gr. TMK Match	2.975"
	#2150	.308"	180gr. SPT	2.860"
	#2160	.308"	180gr. SBT	2.860"
	#2220	.308"	180gr. HPBT Match	2.880"
	#2170	.308"	180gr. RN	2.810"

Powder	Velocity	2650	2750	2800	2850	2900	2950	3000
H4350			56.3	57.7	59.1	60.5	61.9	
Hybrid 100V	56.9	59.3	60.4	61.4	62.5	63.4	64.3	
RE 19		62.9	64.0	65.1	66.3	67.4	68.6	
Hunter		61.4	62.6	63.8	65.2	66.6	68.2	
H4831sc			63.8	65.3	66.7	68.3	69.9	
IMR 4955 End.		61.7	62.9	64.1	65.5	67.0		
N560		62.9	64.1	65.4	66.6	67.8	69.0	
RE 23		61.0	62.3	63.5	64.8	66.0	67.3	
IMR 7828ssc		63.1	64.2	65.4	66.5	67.6		
H1000			67.5	69.0	70.5	72.0	73.4	
Magnum	68.8	71.6	72.8	73.9	74.9	75.8		
Energy Ft. Lbs		2728	2938	3046	3156	3267	3381	3497

Special Load	Powder	Grains	Velocity fps	Energy Ft. lb
Accuracy Load	RE 19	68.6	3000	3497
Hunting Load	Hybrid 100V	64.3	3000	3497




Sierra does not recommend MatchKing bullets for hunting applications.

300 WINCHESTER SHORT MAGNUM (WSM)


	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#2210	.308"	190gr.	HPBT Match	2.875"			
	#7795	.308"	195gr.	TMK Match	2.975"*			
*requires 1 x 10" twist or faster twist								
Powder	Velocity	2600	2650	2700	2750	2800	2850	2900
H4350			55.3	56.7	58.0	59.4	60.7	
RE 19				62.3	63.4	64.6	65.8	66.9
H4831sc				62.5	63.8	65.2	66.6	68.1
N560				62.5	63.6	64.8	66.0	67.3
RE 23				61.0	62.2	63.5	64.7	66.0
IMR 7828ssc	61.3	62.4	63.6	64.7	65.9	67.1		
H1000				67.5	69.0	70.5	72.0	
Magnum		69.8	71.1	72.4	73.6	74.7	75.8	
Retumbo	65.3	66.5	67.8	69.2	70.5	71.9		
Energy Ft. Lbs	2851	2962	3075	3190	3307	3426	3547	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	RE 23	66.0	2900	3547				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								

Do not edit or redistribute.

300 WINCHESTER SHORT MAGNUM (WSM)



Bullet		Caliber	Weight	Type	C.O.A.L.				
	#2231	.308"	200gr.	HPBT Match	3.160"*				
	#2165	.308"	200gr.	SBT	2.860"				
	#2230	.308"	200gr.	HPBT Match	2.860"				
*requires 1 x 9" twist or faster twist									
Powder	Velocity	2400	2500	2600	2700	2800	2850	2900	
H4350				54.1	56.9	59.5			
RE 19				60.2	62.3	64.4	65.5	66.7	
H4831sc					62.8	65.5	67.0	68.5	
RE 23					60.5	63.0	64.4	65.7	
IMR 7828ssc	56.6	58.9	61.3	63.6	65.9	67.0			
IMR 7977 End.		62.0	64.0	66.0	68.1	69.2			
H1000					65.7	68.8	70.1	71.4	
RE 26					62.9	65.2	66.4	67.6	
Magnum				67.2	69.7	72.3	73.7	75.1	
Retumbo					66.7	69.5	70.9	72.2	
Energy Ft. Lbs		2558	2775	3002	3237	3481	3607	3734	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb					
Accuracy Load	Retumbo	72.2	2900	3734					
Hunting Load	RE 19	66.7	2900	3734					
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>									

300 WINCHESTER SHORT MAGNUM (WSM)

Bullet		Caliber	Weight	Type	C.O.A.L.				
		#9240	.308"	210gr.	HPBT Match	2.975"*			
*requires 1 x 10" twist or faster twist									
Powder	Velocity	2300	2400	2500	2600	2700	2750	2800	
RE 19			54.2	56.9	59.5	62.1	63.3	64.6	
H4831sc			53.2	56.3	59.3	62.2	63.6		
N560			54.6	57.0	59.5	62.2	63.7		
RE 23			52.3	55.1	58.0	60.9	62.4		
IMR 7828ssc		52.7	55.3	57.9	60.3	62.6	63.7		
H1000					62.3	65.3	67.1		
RE 26					59.9	62.7	64.1	65.5	
Magnum					67.6	70.3	71.7	73.2	
Retumbo					63.4	66.5	67.9	69.3	
N570					64.8	67.4	68.8	70.2	
Energy Ft. Lbs		2466	2685	2914	3152	3399	3526	3655	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb					
Accuracy Load	Magnum	73.2	2800	3655					
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>									


Do not edit or redistribute.

300 WINCHESTER SHORT MAGNUM (WSM)

Bullet		Caliber	Weight	Type	C.O.A.L.			
	#2240	.308"	220gr.	HPBT Match	2.860"*			
	#2180	.308"	220gr.	RN	2.810"			
*requires 1 x 10" twist or faster twist								
Powder	Velocity	2400	2500	2600	2650	2700	2750	2800
RE 19			57.1	59.7	61.0	62.3	63.6	
H4831sc			57.6	60.5	62.1			
N560			57.4	59.9	61.2	62.4		
RE 23			56.5	59.2	60.6	62.1		
IMR 7828ssc	56.5		58.9	61.4	62.7			
H1000			60.4	63.3	64.9	66.5		
RE 26				60.8	62.3	63.7	65.1	
Magnum				69.0	70.3	71.6	73.0	74.4
Energy Ft. Lbs		2813	3053	3302	3430	3561	3694	3829
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb				
Accuracy Load	N560	62.4	2700	3561				
Hunting Load	Magnum	74.4	2800	3829				
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>								

Do not edit or redistribute.

300 WINCHESTER SHORT MAGNUM (WSM)

		Bullet Caliber Weight Type							C.O.A.L.
		#2251	.308"	230gr.	HPBT Match				3.160"*
*requires 1 x 8" twist or faster twist									
Powder	Velocity	2250	2350	2450	2550	2600	2650	2700	
RE 19				56.6	59.2	60.6	61.9	63.3	
H4831sc			54.4	57.1	60.0	61.5	63.0		
N560	52.5	54.9	57.4	60.0	61.4	62.9			
RE 23			53.2	56.1	59.0	60.4	61.8		
IMR 7828ssc	53.1	55.7	58.3	61.0	62.3				
IMR 7977 End.	56.1	58.5	61.1	63.8	65.2	66.7			
H1000			58.8	61.1	62.3	63.6	65.0		
RE 26			55.6	58.2	60.9	62.2	63.4	64.7	
Magnum			62.2	65.3	68.1	69.5	70.8	72.1	
Retumbo			58.7	61.7	64.6	66.0	67.5	68.9	
N570				62.1	65.0	66.4	67.9	69.4	
Energy Ft. Lbs		2585	2820	3065	3320	3452	3586	3722	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lb					
Accuracy Load	RE 26	64.7	2700	3722					
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>									