Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-10"

Components:

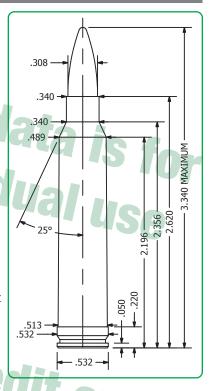
Case: Hornady

Trim-to Length: 2.610"

Primer: WLRM

Remarks:

After Winchester introduced their earlier "short" magnums, the 458. the 338, and the 264, a 30 caliber based on the same case and shoulder dimensions seemed like the next logical step. Winchester, however, had other plans and in 1963, unveiled their new 300 Winchester Magnum, While it used the same case length as the rest of the Winchester Magnum family. the shoulder was moved forward to allow greater powder capacity. This increased capacity made Winchester's big 300 the most potent commercial 30 caliber magnum capable of use in a standard (30-06 length) action.



The 300 Winchester Magnum is primarily a hunting cartridge, but has enjoyed considerable success as a 1,000 yard target round. As a big game cartridge, it is ample for any North American big game species. With its flat trajectory, it is well suited to the long-range shooting conditions frequently encountered in western big game hunting. While certainly not a short-range brush cartridge, the 300 has become popular in areas traditionally thought of as 30-30 country. In these areas, the 300 is superb for long-range shots in clear-cut power lines and bean fields.

Recoil is probably the single biggest drawback to the 300 Winchester Magnum. Shooters who practice little or are unwilling to familiarize themselves with their rifles will likely find the 300 a bit unpleasant. For those willing to practice enough to become proficient with the potent 300, Winchester's magnum is one of our better big game cartridges. Although frequently criticized for its short neck, the 300 Winchester is a very accurate cartridge and not at all difficult to reload for. Because of the short neck, some attention must be paid to the bullet's bearing surface and neck tension in order to insure sufficient bullet pull. As with any belted magnum, care must be taken to avoid resizing the case any more than necessary for smooth chambering. This will enhance both accuracy and case life.

	Bullet Cali	ber We	ight Ty	pe			C.O.A.L.
	#2100 .30	8" 110	Ogr. RN	I			3.140"
	#2110 .30	8" 110	Ogr. HP			4	3.240"
Powder ∨ Veloci	ty > 3100	3200	3300	3400	3500	3600	3700
H4895	42	110	60.0	62.5	65.1	67.6	
IMR 4064	UC	62.1	64.2	66.2	68.2	70.0	
RE 15		61.9	64.4	66.9	69.3	71.7	
Win 760		65.6	68.1	70.7	73.4		
IMR 4350		70.2	72.1	74.1	76.2	78.4	
IMR 4451 End.	70.3	72.3	74.2	76.1	77.9	79.6	
H4350		70.3	72.5	74.7	76.9	79.1	81.3
RE 16		67.7	70.1	72.4	74.6	76.5	78.3
RE 17	41	68.4	70.6	72.7	74.5	76.2	77.6
Hybrid 100V	Va		68.5	71.2	73.8	76.2	
Hunter	67.8	70.1	72.3	74.6	76.8	78.9	81.0
Energy Ft. Lbs	2347	2501	2659	2823	2992	3165	3343
Special Load	Powde	r Gra	ins \	/elocity	fps E	nergy	Ft. lb
Accuracy Load	IMR 40	64 70.0) 3	3600	3	3165	
Hunting Load	H4350	81.3	3 3	3700	3	3343	





#2121 .308" 125gr. HP Match 3 #7725 .308" 125gr. TMK Match 3 Powder Velocity > 3000 3100 3200 3300 3400 3500 H4895 IMR 4064 59.9 61.6 63.3 65.0 66.8	.250" .340" .340"
#7725 .308" 125gr. TMK Match 3 Powder Velocity > 3000 3100 3200 3300 3400 3500 300 3400 3500 300 3400 3500 300 300 300 300 300 300 300 300	.340"
Powder Velocity > 3000 3100 3200 3300 3400 3500 H4895 59.0 61.1 63.1 65.1 67.0 IMR 4064 59.9 61.6 63.3 65.0 66.8	
H4895 59.0 61.1 63.1 65.1 67.0 IMR 4064 59.9 61.6 63.3 65.0 66.8	
IMR 4064 59.9 61.6 63.3 65.0 66.8	3600
DE 45	
RE 15 63.3 65.2 67.1 69.1 71.1	
Win 760 67.2 69.3 71.5 73.7	
IMR 4350 68.1 70.0 72.0 74.0 76.1	
IMR 4451 End. 70.8 72.8 74.8 76.9 79.0	
H4350 69.5 71.1 73.1 75.2 77.6	
RE 16 68.4 70.3 72.3 74.4 76.6	
RE 17 68.1 69.8 71.5 73.3 75.1	76.9
Hybrid 100V 67.1 69.1 71.3 73.5 75.9	
Hunter 76.8 79.1	
Energy Ft. Lbs 2498 2667 2842 3022 3208 3399	3597
Special Load Powder Grains Velocity fps Energy Ft.	lb
Accuracy Load RE 16 76.6 3500 3399	
Hunting Load RE 17 76.9 3600 3597	
Sierra does not recommend MatchKing bullets for hunting applica	tions.
- of C.	



	Bullet Cali	ber We	ight Ty	pe			C.O.A.L.			
	#2123 .30	8" 13	5gr. HF	BT Mat	ch		3.330"			
#2124 .308" 135gr. HP 3.215"										
Powder∨ Velocit	y > 2900	3000	3100	3200	3300	3400	3500			
H4895	10	59.1	61.6	64.0	66.1					
IMR 4064	60.0	61.9	63.9	65.9	68.0					
RE 15		62.5	64.7	66.7	68.6	70.4				
Win 760				71.0	74.7					
IMR 4350	67.4	69.2	71.0	72.9	74.7					
IMR 4451 End.		69.4	71.3	73.3	75.4	77.5				
H4350	67.4	68.9	70.6	72.5	74.7	77.0				
RE 16		67.3	69.0	70.9	72.9	75.0	77.2			
RE 17		67.0	68.6	70.3	72.1	74.0	75.9			
Hybrid 100V			67.7	69.8	72.0	74.3				
Hunter			70.5	72.8	75.1	77.4				
Energy Ft. Lbs	2521	2697	2880	3069	3264	3465	3671			
Special Load	Powde	r Gra	ins \	Velocity	y fps	Energy I	Ft. Ib			
Accuracy Load	H4350	77.0	0 (3400	3	3465				
Hunting Load	RE 16	77.	2 (2)	3500	3	3671				
Sierra does not red	commend N	/latchKi	ing bull	ets for	huntin	g appli	cations.			



300 WINCHESTER MAGNUM

Bullet Caliber Weight Type

	Bullet Gall	ider we	eignt i	ype			G.U.A.L.
	#2115 .30	15"	0gr. Fl	MJBT			3.340"
	#2130 .30	15"	0gr. S	PT			3.340"
	#2125 .30	15	0gr. S	ВТ			3.340"
	#2190 .30	15"	0gr. H	PBT Mat	ch		3.340"
	#2135 .30	15	0gr. R	N			3.220"
	#2155 .30	15"	5gr. H	PBT Mat	ch	SE	3.340"
	#2156 .30	15"	5gr. H	PBT Mat	ch Paln	na	3.340"
	#7755 .30	15"	5gr. T	MK Matc	h		3.340"
Powder ∨ Velo	city > 2700	2800	2900	3000	3100	3200	3300
H4895		55.8	58.1	60.6	63.2		
IMR 4064	56.7	58.7	60.6	62.6	64.6		
RE 15	no:	59.5	61.6	63.6	65.6	67.6	
IMR 4350	101	65.3	67.3	69.5	71.6		
IMR 4451 End.		65.7	67.6	69.6	71.7	73.9	
H4350		65.3	66.9	68.8	71.0	73.4	
RE 16	YITH		66.0	68.0	70.0	71.9	
RE 17			64.7	66.8	68.8	70.9	73.0
Hybrid 100V			64.4	66.4	68.6	71.0	
Hunter			67.4	69.6	72.0	74.5	
H4831sc			72.0	74.2	76.6	79.1	
IMR 4955 End.			68.2	70.5	73.0		
RE 22			71.4	73.0	74.8	76.8	78.9
N560		72.0	73.6	75.3	77.3	79.4	
IMR 7828ssc		71.8	73.7	75.7	77.7	79.9	
Energy Ft. Lbs	2428	2611	2801	2997	3200	3410	3626
Special Load	Powde		rains	Velocity		Energy I	Ft. Ib
Accuracy Load	IMR 43		1.6	3100		3200	
Hunting Load	RE 17		3.0	3300		3626	
Sierra does not	recommend N	ИatchК	ing bu	llets for	huntin	g appli	cations.

	Bullet Cali	ber Weigh	t Type			C.O.A.L.		
	#2145 .30	8" 165gı	. SBT			3.340"		
	#2140 .30	8" 165gı	. HPBT		-4	3.250"		
	#4665 .30	8" 165gı	TGK	to		3.340"		
#2200 .308" 168gr. HPBT Match								
	#7768 .30	8" 168gı	TMK Mate	:h	3	3.340"		
Powder ∨ Velocit	ty > 2700	2800 2	900 3000	3100	3150	3200		
H4895		56.1 5	9.2 61.9					
RE 15		58.6 6	1.2 63.6	66.0				
IMR 4350	62.9	65.1 6	7.3 69.5	71.7				
IMR 4451 End.	Va	65.2 6	7.3 69.6	71.9	73.2			
H4350		64.9 6	7.3 69.6	71.8	72.8			
RE 16		63.1 6	5.5 67.8	69.9	71.0			
RE 17		62.7 6	4.9 67.0	69.1	70.1	71.1		
Hybrid 100V		62.5 6	4.7 67.0	69.3	70.5			
Hunter		65.9 6	7.9 70.2	72.6	73.8			
H4831sc			2.1 74.5	77.1	78.4			
IMR 4955 End.	65.1		9.5 71.9	74.5				
RE 22			1.3 73.2	75.1	76.1	77.1		
N560	70.3		3.8 75.7	77.8	78.9			
RE 23			0.2 72.3	74.8	76.1	77.4		
IMR 7828ssc			3.6 75.7	78.0				
Energy Ft. Lbs	2670	2872 3	081 3297	3520	3635	3751		
Special Load	Powder	Grains	: Velocit	y fps E	Energy I	t. lb		
Accuracy Load	RE 22	77.1	3200	3	3751			
Hunting Load	RE 17	71.1	3200	3	3751			
Sierra does not re	commend N	1atchKing	bullets for	hunting	g appli	cations.		



C.O.A.L.

300 WINCHESTER MAGNUM

Bullet Caliber Weight Type

	#2275 .308	8" 175	igr. HF	PBT Mat	ch		3.340"
	#7775 .308	8" 175	igr. TN	/IK Matc	h		3.340"
	#2150 .308	8" 180	gr. SF	PT			3.340"
	#2160 .308	3" 180	gr. SE	BT -	18		3.340"
	#2170 .308	3" 180	gr. Ri	V			3.320"
	#2220 .308	3" 180	gr. HF	PBT Mat	ch	Se	3.340"
Powder ∨ Velocit	y > 2550	2650	2750	2850	2950	3050	
IMR 4350		62.4	64.9	67.2	69.5		
IMR 4451 End.		62.4	64.5	66.7	69.1		
H4350		62.1	64.2	66.4	68.7		
RE 16		60.6	63.2	65.6	67.9	70.2	
Hybrid 100V		60.0	62.5	64.9	67.1		
Hunter		63.7	65.6	67.7	70.1		
H4831sc		0	69.1	71.3	73.8		
IMR 4955 End.	7	64.1	66.3	68.6	71.0		
RE 22			67.9	70.1	72.2	74.2	
N560	A. D.	68.6	70.4	72.4	74.5	76.7	
RE 23		6	66.6	68.6	70.9	73.5	
IMR 7828ssc		68.9	70.9	72.9	74.9		
RE 25	70.1	72.1	74.1	76.3	78.5		
IMR 7977 End.		71.6	73.7	76.0	78.5		
H1000		70.3	73.0	75.6	78.1		
RE 26		68.5	70.2	72.1	74.2	76.4	
Magnum			74.9	77.6	80.6	83.9	
Energy Ft. Lbs	2526	2728	2938	3156	3381	3614	
Special Load	Powder	Grai	ins	Velocity	fps I	Energy F	t. lb
Accuracy Load	H4831s	c 73.8	3	2950	3	3381	
Hunting Load	RE 16	70.2	2	3050	3	3614	
Sierra does not rec	ommend N	latchKi	ng bul	lets for	huntin	g applic	cations.

Ē	Bullet Cali	ber We	ight Ty	pe			C.O.A.L.			
#	[#] 2210 .30	8" 19	Ogr. HF	PBT Mat	ch		3.340"			
# # # # # # # # # # # # # # # # # # #	#7795 .30	8" 19	5gr. TN	ЛK			3.340"*			
*requires 1 x 10" twist o	or faster twis	t			fn					
Powder ∨ Velocity	> 2450	2550	2650	2750	2850	2950	3000			
IMR 4350		60.3	62.5	64.9	67.5					
IMR 4451 End.	930-	60.5	62.9	65.4	67.9					
H4350		60.0	62.4	64.8	67.4					
RE 16	40	59.7	62.1	64.4	66.7					
Hybrid 100V			59.9	62.6	65.3					
Hunter	7 2 -	61.4	63.5	65.7	68.2					
H4831sc			66.8	69.4	72.0					
IMR 4955 End.	60.6	62.7	64.8	67.1	69.6					
RE 22		64.8	66.6	68.4	70.4	72.5				
N560		66.7	68.6	70.5	72.6	74.7				
H1000			69.4	73.3	76.6					
RE 26		67.3	69.2	71.1	73.1	75.1	76.1			
Energy Ft. Lbs	2532	2743	2962	3190	3426	3671	3796			
Special Load	Powde	r Gra	ins	Velocity	y fps	Energy	Ft. lb			
Accuracy Load	H4350	67.	4	2850	;	3426				
Hunting Load	RE 26	76.	1 ;	3000		3796				
Sierra does not reco	ommend N	/latchK	ing buli	lets for	huntin	g appli	cations.			
76	Sierra does not recommend MatchKing bullets for hunting applications.									



	Bullet Cal	iber Wei	ight Ty	pe			C.O.A.L.
	#2165 .3	08" 200)gr. SE	ЗТ			3.340"
	#2230 .3	08" 200	gr. HF	PBT Mat	ch		3.340"
requires 1 x 9" twist	#2231 .3		gr. HF	PBT Mat	ch	;	3.700"
							A Die
Powder ∨ Veloc	ity > 2400	2500	2600	2700	2800	2850	2900
H4350		58.1	60.7	63.1	65.5	66.7	
RE 16		59.1	62.1	64.9	67.4	68.5	
Hybrid 100V		58.4	60.8	63.1	65.6	66.8	
Hunter		61.4	63.8	66.1	68.2	56	7
H4831sc			64.2	66.4	69.0	70.3	71.8
IMR 4955 End.	60.4	62.4	64.5	66.7	69.0		
RE 22			64.6	66.7	68.8	69.9	70.9
N560		64.6	66.9	69.1	71.3	72.3	73.3
RE 23			65.2	67.8	70.2	71.4	72.6
IMR 7828ssc		64.7	66.8	68.9	71.0	72.1	73.2
IMR 7977 End.			69.5	72.3	74.9	76.2	77.4
H1000	Int			70.2	73.5	75.1	76.7
RE 26			66.8	68.9	71.0	72.1	73.1
Magnum		90		73.5	77.0	78.7	80.4
Retumbo		70.7	72.8	75.1	77.7	79.1	80.6
Energy Ft. Lbs	2558	2775	3002	3237	3481	3607	3734
Special Load	Powder	Gra	ins	Velocity	fps E	nergy F	t. lb
Accuracy Load	IMR 4955 E	nd. 69.0)	2800	3	3481	
Hunting Load	H4831sc	71.8	3	2900	3	3734	
Sierra does not re	ecommend	MatchKi	ng bul	lets for	hunting	g applic	ations.

	Bull	et Cali	ber We	ight Ty	pe			C.O.A.L.
requires 1 x 10		40 .30 ster twis)gr. HF	PBT Mat	ch		3.340"
Powder ∨ Vo	elocity >	2350	2450	2550	2650	2750	2850	2900
H4350			60.0	62.6	65.0	67.1		
RE 16			58.4	61.1	63.7	66.3		
Hybrid 100V	2 (57.5	60.0	62.5	65.0		
Hunter	5	58.6	60.8	63.0	65.2	67.5		
H4831sc		_	61.2	63.8	66.3	69.0		
IMR 4955 End.		59.4	61.2	63.4	66.0			
RE 22	HTI		61.5	63.9	66.2	68.5	70.6	
N560			63.9	65.8	67.9	70.3	73.0	
RE 23			62.2	64.6	67.2	69.9		
IMR 7828ssc			63.9	66.1	68.5	70.9		
IMR 7977 End.			67.2	69.6	72.2	75.0		
H1000					69.7	73.0	76.3	
RE 26			64.5	66.8	69.0	71.1	73.1	
Magnum					73.8	76.8	80.0	81.7
Retumbo				71.8	74.1	76.6	79.5	
Energy Ft. Lbs		2575	2798	3032	3274	3526	3787	3921
Special Load	Pow	der	Gra	ins	Velocity	/ fps	Energy	Ft. lb
Accuracy Load	IMR	7828ss	c 70.9		2750		3526	
Sierra does n	ot recomm	nend N	/latchKi	ng bul	lets for	huntin	g appli	cations.
	re	di	st	rī	Di	N E.	<u> </u>	



Bullet	Calibe	r Weig	iht Ty	pe		(C.O.A.L.
#2240	.308"	220(gr. HP	BT Mate	ch	3	3.340"*
#2180	.308"	220(gr. RN	J			3.340"
*requires 1 x 10" twist or faster	rtwist	d					
Powder ∨ Velocity > 23	300 2	2400	2500	2600	2700	2750	2800
H4350	5	6.3	59.1	62.3			
RE 16		6.9	60.3	63.2	65.7		
Hunter 5	7.2 5	9.9	62.4	64.7			
H4831sc	6	31.4	64.4	67.3	70.1		
IMR 4955 End. 57	7.5	30.1	62.8	65.5		Y.	
RE 22			61.4	64.2	66.8	68.0	7
N560	6	32.4	64.5	66.7	69.0	70.1	71.2
RE 23			63.5	66.1	68.8	70.2	
IMR 7828ssc	6	32.5	64.8	67.1	69.4		
IMR 7977 End.	6	6.1	68.2	70.5	73.0	74.3	
H1000				68.6	71.5	73.0	74.5
RE 26			64.3	66.7	69.1	70.4	71.7
Magnum				71.6	74.5	76.2	78.0
Retumbo				70.1	73.1	74.6	76.1
Energy Ft. Lbs 2	584 2	2813	3053	3302	3561	3694	3829
KO - III							
	wder	Grair	is i	Velocity	fps E	nergy F	t. lb
Accuracy Load N5	60	71.2	2	2800	3	829	
Hunting Load N5		71.2		2800		829	
Sierra does not recomme	nd Ma	tchKin	g bull	ets for	hunting	applic	ations.



В	ullet Cali	ber We	ight Ty	pe			C.O.A.L.
#	2251 .30	8" 230	Ogr. HF	PBT Mat	ch		3.740"*
*requires 1 x 8" twist or	faster twist						
Powder ∨ Velocity	> 2400	2450	2500	2550	2600	2650	2700
Hybrid 100V		57.4	58.5	59.8	61.2	62.7	
H4831sc	10	L	63.9	65.3	66.8	68.2	69.7
IMR 4955 End.		61.0	62.3	63.6	64.8	66.0	
RE 22	Alo.			63.7	66.4	68.4	69.7
N560	63.5	64.8	66.2	67.5	68.8	70.2	71.5
RE 23	30	$\Pi \vdash$	63.4	64.8	66.3	67.8	69.4
IMR 7828ssc		64.5	65.8	67.1	68.4	69.6	70.8
IMR 7977 End.		68.3	69.1	70.1	71.2	72.4	73.8
H1000		67.0	68.3	69.6	70.9	72.3	73.7
RE 26			66.4	67.6	68.8	70.1	71.3
Magnum			72.2	73.5	74.8	76.1	77.5
Retumbo			69.5	70.6	71.8	73.0	74.3
Energy Ft. Lbs	2941	3065	3191	3320	3452	3586	3722
Special Load	Powder	Gra	ins '	Velocity	fps I	Energy	Ft. lb
Accuracy Load	H4831sc	69.	7	2700	1 7	3722	
Sierra does not reco	mmend N	// AtchK	ing bul	lets for	huntin	g appli	cations.





300 WINCHESTER MAGNUM

Bullet Cali	ber We	ight Ty	pe		ı	C.O.A.L.
#9245 .30 *requires 1 x 9" twist or faster twist	8" 24	Ogr. HP	BT Mat	ch		3.435"*
Powder ∨ Velocity > 2150	2250	2350	2450	2500	2550	2600
H4350	55.0	57.7	60.4	61.8	63.1	
RE 16	54.2	57.0	60.0	61.6		7
Hybrid 100V	54.4	56.8	59.3	60.6	62.0	O De
H4831sc		61.1	64.1	65.6	67.2	68.9
IMR 4955 End. 55.3	57.7	60.2	62.7	63.9		
RE 22		60.8	64.0	65.4	66.7	68.0
N560		61.0	63.5	64.7	65.8	67.0
RE 23	58.0	60.7	63.4	64.7	66.1	67.4
IMR 7828ssc	59.3	61.5	63.9	65.1	66.4	67.7
RE 25		63.4	66.0	67.3	68.5	69.8
IMR 7977 End.	62.2	64.7	67.2	68.5	69.8	71.1
H1000		62.9	65.5	66.8	68.1	69.4
RE 26		60.9	63.4	64.6	65.8	67.0
Magnum		66.7	69.3	70.6	71.9	73.1
Retumbo		64.6	67.0	68.3	69.6	71.0
Energy Ft. Lbs 2463	2697	2942	3198	3330	3465	3602
) H				
Special Load Powder	Gra	ins \	/elocity	fps E	nergy F	t. lb
Accuracy Load IMR 7828s	sc 67.	7 2	2600	3	602	
Sierra does not recommend N	/latchK	ing bull	ets for	hunting	g applic	ations.
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