

6.5-284 WINCHESTER

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1- 8"

Components:

Case: Nosler

Trim-to Length: 2.160"

Primer: WLR

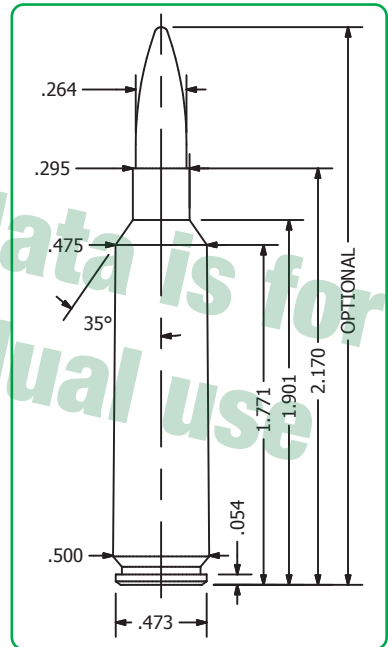
Remarks:

Produced by the simple expedient of necking down a 284 Winchester case to accept 6.5mm bullets, the 6.5/284 has rapidly become a wildcat to be reckoned with. While the original intent of the 284 Winchester was to allow a shorter action length, it had some other unintended consequences. Meant to duplicate the performance of the 280 Remington in a short action, the parent case (and any of its wildcat progeny) offers '06 capacity and velocity potential. The desire to package this in a short action resulted in a short/fat case configuration that has enhanced accuracy potential. The ballistic performance alone would have given the 6.5/284 a certain following of hunters, but it was the competitive community who really swarmed to the cartridge. Much of this is directly attributable to the short/fat design and the inherent accuracy.



With an exceptional range of .264" diameter match bullets available and a high performance level, the 6.5/284 had the potential to be a real winner. Its real strength was the ability to match or exceed the velocity and wind-bucking ability of the more powerful 30 caliber magnums, with significantly less recoil. The combination proved a successful one, and the 6.5/284 has become one of our more successful wildcats.

While this venue may be its most notable, the 6.5/284 makes a superb hunting round as well. With performance equaling that of the venerable 270 Winchester (and its ballistic twin, the 6.5-06), it is adequate for all but the heaviest North American game. It makes an ideal chambering for a custom sheep and deer rifle. With an excellent selection of hunting bullets available from Sierra including the Pro-Hunter, GameKing and GameChanger offerings, the 6.5-284 Norma is certainly a versatile cartridge.



The 6.5/284, at one time was the predominant cartridge used on NRA Long Range High Power competitive scene. It has been used to win both the Wimbledon and Leech cups at Camp Perry, as well as a host of other prestigious 1000-yard titles. At this point, it's safe to say that any questions as to its accuracy have been completely settled.





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	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1710	.264"	100gr.	HP	2.750"			
	#1711	.264"	100gr.	HPBT	2.750"			
Powder	Velocity	2950	3050	3150	3250	3300	3350	3400
H4895			41.9	44.0	45.8			
IMR 4064		42.3	43.9	45.7				
Varget			42.8	44.8				
IMR 4350			49.1	50.7	52.6			
IMR 4451 End.			49.6	51.2	53.0	53.8		
A 4350				49.9	52.5	53.9		
H4350				49.2	50.9	51.9	52.9	
RE 16				49.4	51.4	52.3	53.2	54.0
RE 17				49.5	51.4	52.3	53.2	
Hybrid 100V			48.2	49.8	51.4	52.2	53.1	
RE 19			53.5	55.1	56.7	57.5	58.2	58.9
Hunter				52.5	54.5	55.4	56.3	
H4831sc			53.4	54.8	56.5	57.5	58.5	
IMR 4955 End.			50.1	52.5	54.5			
N560		53.5	55.4	56.9	58.2	58.7		
Energy Ft. Lbs		1932	2065	2203	2345	2418	2491	2566
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	A 4350	53.9	3300	2418				
Hunting Load	RE 16	54.0	3400	2566				

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		Bullet Caliber Weight Type							C.O.A.L.
	#1715	.264"	107gr.	HPBT Match					2.890"
	#7407	.264"	107gr.	TMK Match					2.900"
Powder ▾	Velocity >	2800	2900	3000	3100	3200	3250	3300	
IMR 4064			42.3	43.8	45.5				
Varget			41.6	43.5	45.3	46.8			
IMR 4350			47.2	48.8	50.5	52.3			
IMR 4451 End.				49.1	50.6	52.3	53.3		
A 4350				48.4	50.5	52.4			
H4350	44.1	45.7	47.5	49.4	51.4	52.5			
RE 16				47.8	49.5	51.1	51.9	52.7	
RE 17		45.5	47.0	48.5	50.2	51.0	51.9		
Hybrid 100V					48.6	50.5	51.4	52.4	
RE 19					53.9	55.3	56.1	56.9	
Hunter					51.5	53.2	54.2	55.1	
H4831sc			50.5	52.0	53.5	55.1	55.9		
IMR 4955 End.			48.5	50.5	52.3	53.8			
N560			52.2	53.5	54.8	56.2	56.9	57.5	
H1000				54.7	56.7	59.0			
Energy Ft. Lbs		1862	1998	2138	2283	2432	2509	2587	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	RE 17	51.9	3300	2587					
<i>Sierra does not recommend MatchKing bullets for hunting applications.</i>									

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Bullet	Caliber	Weight	Type	C.O.A.L.
	#1720	.264"	120gr. SPT	2.800"
	#1725	.264"	120gr. HPBT Match	2.850"

Powder	Velocity	2650	2750	2850	2950	3000	3050	3100
IMR 4350		43.6	45.3	47.3				
IMR 4451 End.				47.6	49.5	50.3	51.1	
A 4350		40.7	42.7	44.4				
H4350				44.5	47.1	48.2		
RE 16				43.3	46.0	47.3		
RE 17				45.2	47.0	47.9	48.9	49.8
Hybrid 100V			43.0	45.3	47.5	48.5	49.5	
RE 19					50.3	51.6	52.8	53.8
Hunter				48.1	50.6	51.7	52.6	
H4831sc				49.0	51.2	52.2		
IMR 4955 End.			46.4	48.4	50.9			
N560				47.7	50.6	51.8	52.9	
N165				47.7	50.3			
RE 23				47.6	49.6	50.7	51.8	53.0
IMR 7828ssc			49.9	51.7	53.5	54.4		
H1000				51.2	53.6	55.0	56.6	
Energy Ft. Lbs		1871	2015	2164	2318	2398	2478	2560




Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	H4350	48.2	3000	2398
Hunting Load	RE 17	49.8	3100	2560

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Bullet		Caliber	Weight	Type	C.O.A.L.				
		#1727	.264"	123gr.	HPBT Match	2.900"			
Powder	Velocity	2700	2800	2900	2950	3000	3050	3100	
Varget		39.3	41.2	43.1	44.2				
IMR 4350		44.6	46.4	48.1	49.0	49.9			
IMR 4451 End.			45.7	47.4	48.3	49.2	50.2	51.3	
A 4350				45.2	46.9	48.4	49.9		
H4350				46.4	47.4	48.3	49.4	50.4	
RE 16				46.6	47.6	48.6	49.6	50.5	
RE 17			44.5	46.2	47.1	48.0	48.9	49.8	
Hybrid 100V			44.1	46.0	46.9	47.9	48.8	49.7	
RE 19			48.2	49.9	50.8	51.7	52.6	53.5	
Hunter				49.0	50.0	50.9	51.8	52.6	
H4831sc				49.1	51.4	52.3	53.3	54.1	
IMR 4955 End.		45.3	47.0	48.7	49.6	50.5	51.4		
N560			50.6	52.5	53.4	54.2	54.9	55.5	
N165				52.0	53.3	54.5	55.7	56.9	
RE 23				49.1	49.9	50.7	51.7	52.7	
IMR 7828ssc			50.6	52.4	53.2	54.0	54.7		
H1000				53.3	54.3	55.3	56.5	57.7	
Energy Ft. Lbs		1991	2141	2297	2376	2458	2540	2624	
Special Load	Powder	Grains	Velocity	fps		Energy	Ft. lbs		
Accuracy Load	N165	56.9	3100			2624			
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	Bullet	Caliber	Weight	Type	C.O.A.L.			
	#1728	.264"	130gr.	HPBT	2.750"			
	#7430	.264"	130gr.	TMK Match	2.900"*			
	#4330	.264"	130gr.	TGK	2.900"*			
*requires a 1x8" or faster twist								
Powder	Velocity	2650	2750	2800	2850	2900	2950	3000
IMR 4451 End.		43.4	45.3	46.3	47.2	48.2	49.2	
H4350		43.4	44.5	44.5	45.6	46.7	47.6	
RE 17			44.6	44.6	45.6	46.5	47.5	48.4
Hybrid 100V			43.8	44.8	45.8	46.8	47.7	
RE 19			47.4	48.5	49.6	50.6	51.5	52.4
Hunter			47.0	47.8	48.7	49.6	50.5	
H4831sc			47.2	48.2	49.3	50.4	51.5	
IMR 4955 End.	44.7	46.6	47.4	48.3	49.1			
N560		48.9	49.9	50.8	51.7	52.6	53.5	
N165			48.7	50.5	52.0	53.3	54.5	
RE 23		46.0	46.9	47.9	48.9	49.9	50.9	
IMR 7828ssc		49.6	50.5	51.4	52.3	53.2		
H1000			51.4	52.3	53.4	54.6	55.9	
Magnum		54.5	55.7	56.8	57.8	58.6	59.5	
Energy Ft. Lbs		2027	2183	2263	2344	2427	2512	2597
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	Hybrid 100V	47.7	2950	2512				
Hunting Load	RE 17	48.4	3000	2597				
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		Bullet Caliber Weight Type							C.O.A.L.
	#1730	.264"	140gr.	SBT				2.900"	
	#1740	.264"	140gr.	HPBT Match				2.900"	
	#1742	.264"	142gr.	HPBT Match				2.900"*	
*requires a 1x8" or faster twist									
Powder	Velocity	2400	2500	2600	2700	2800	2850	2900	
H4350				42.4	44.5	46.9			
RE 17				42.1	43.7	45.5	46.4	47.3	
Hybrid 100V					41.6	43.9	46.1	47.3	
RE 19					45.3	47.5	49.5	50.5	
H4831sc					45.0	47.1	49.5	50.9	
IMR 4955 End.	40.4	42.5		44.3	46.1	47.8			
N560				47.0	48.9	50.9	51.9	52.9	
N165				44.5	47.1	49.9			
RE 23				45.3	47.4	49.4	50.4	51.4	
IMR 7828ssc				47.2	49.4	51.2	52.1		
IMR 7977 End.		47.2		48.1	49.1	50.1	50.6		
H1000				49.4	51.5	53.7	54.7	55.8	
RE 26				46.1	48.2	50.2	51.2	52.3	
Magnum				52.1	54.1	56.1	57.2	58.2	
Retumbo				48.5	50.5	52.7	53.8	55.0	
Energy Ft. Lbs		1790	1943	2101	2266	2437	2525	2614	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	N560	52.9	2900	2614					
Hunting Load	RE 17	47.3	2900	2614					
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Bullet	Caliber	Weight	Type	C.O.A.L.				
	#1755	.264"	150gr. HPBT Match	2.980"*				
*requires a 1x7.5" or faster twist								
Powder	Velocity	2400	2500	2600	2650	2700	2750	2800
RE 19				43.9	45.3	46.6		
H4831sc			43.0	45.5	46.7	47.9	49.1	
IMR 4955 End.	41.4	43.4	45.3	46.2				
N560		43.8	46.5	47.8	49.0	50.1		
RE 23		42.3	44.6	45.8	47.0	48.1	49.3	
IMR 7828ssc		44.7	46.6	47.6	48.6	49.6	50.6	
RE 25			47.0	48.6	50.1	51.7	53.2	
IMR 7977 End.		47.7	49.7	50.7	51.7	52.8	53.8	
H1000			47.8	48.9	50.0	51.2	52.4	
RE 26			46.4	47.7	49.0	50.1	51.2	
Magnum			50.4	52.0	53.6	55.0	56.2	
Retumbo			48.6	49.7	50.9	52.0	53.2	
Energy Ft. Lbs		1918	2081	2251	2339	2428	2518	2611
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs				
Accuracy Load	RE 26	51.2	2800	2611				
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