

270 WINCHESTER

Test Specifications:

Firearm Used: Universal

Barrel Length: 24"

Twist: 1-10"

Components:

Case: Winchester

Trim-to Length: 2.530"

Primer: WLR

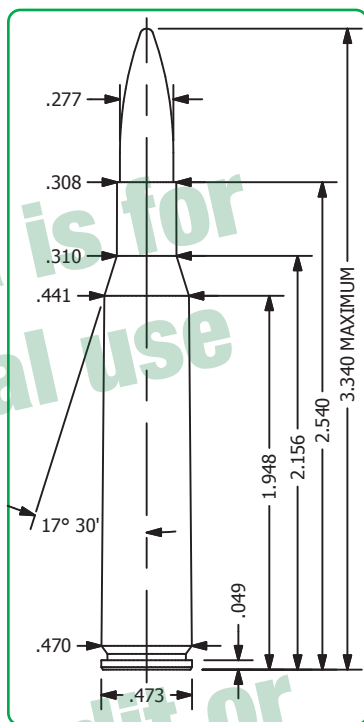
Remarks:

In any list of the all time favorite American hunting cartridges, the 270 Winchester is always a strong contender. Developed in 1923, the cartridge wasn't actually introduced until 1925, when Winchester chambered it in their Model 54 bolt action rifle. Since that time, the 270 has been chambered in almost every action type by every major arms maker worldwide. Despite its age the 270 is very much alive and is still the quintessential cartridge for mule deer, sheep and other "western" big game species.


The 270 Winchester is actually little more than the standard 30/06 Springfield, necked down to accept a .277" diameter bullet. The case has been lengthened slightly, and headspace dimensions were altered somewhat. However, these changes are minor and do not materially affect the capacity of the parent case. The 270 earned its reputation with the 130 grain bullet, and this is still the best choice for most big game hunting situations. Sierra offers excellent .277" diameter hunting bullets up to 150 grains, allowing the handloader to tailor his loads to anything from prairie dogs to elk. Versatility like this is what wins fans among shooters, and the 270 has always had its share.

One ardent proponent of the 270 was the late Jack O'Connor, one of our most renowned American gun writers. O'Connor used the 270 to take a wide variety of big game species around the world and is probably the one writer most responsible for the 270's popularity. Another well known admirer was Col. Townsend Whelen, who considered the 270 to be one of the finest cartridges for big game hunting in the United States. He had good reason. The 270 combines flat trajectory, accuracy and mild recoil in one attractive package and remains one of our premier hunting cartridges for North American big game.



Not much more can be written or stated about cartridge like the 270 Winchester. The books written on this cartridge alone would demand considerable space. It has been said that one would expect that the 30-06 will never disappear. It would only be fair to say that the 270 will be there to applaud.



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		Bullet Caliber Weight Type							C.O.A.L.
		#1800	.277"	90gr.	HP				3.160"
Powder	Velocity	3100	3200	3300	3400	3500	3600	3700	
H4895					49.0	50.7	52.5		
IMR 4895		45.8	47.6	49.5	51.5	53.4			
IMR 4166 End.		46.4	47.9	49.4	50.8	52.1			
IMR 4064		47.2	48.7	50.2	51.9	53.8			
A 4064		48.7	50.4	52.1	53.6	55.0			
RE 15		48.1	49.9	51.5	53.0	54.3	55.6		
N140		48.9	50.7	52.4	53.9	55.4			
Varget		47.5	49.5	51.4	53.1	54.7	56.2		
N540		47.9	50.3	52.4	54.1	55.6	56.7		
IMR 4350		55.6	57.2	58.7	60.3	61.9			
IMR 4451 End.		54.2	55.9	57.8	59.7	61.8			
H4350		52.3	53.8	55.3	57.0	58.7	60.5		
RE 16			51.7	55.6	61.2				
RE 17		51.8	53.7	55.6	57.3	59.0	60.5	61.9	
Hybrid 100V		51.4	53.2	54.9	56.7	58.4	60.1		
Energy Ft. Lbs		1920	2046	2176	2310	2448	2589	2735	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	Hybrid 100V	60.1	3600	2589					
Hunting Load	RE 17	61.9	3700	2735					

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Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1810	.277"	110gr.	SPT	3.230"				
	#1815	.277"	115gr.	HPBT Match	3.190"				

Powder	Velocity	2700	2800	2900	3000	3100	3200	3300
H4895		39.7	41.2	42.8	44.5	46.2		
IMR 4895		40.9	42.5	44.3	46.3	48.6		
IMR 4166 End.		41.4	43.1	44.8	46.6	48.3	50.1	
A 4064		43.0	45.1	47.0	48.9	50.7	52.3	
RE 15			44.5	46.6	48.6	50.5	52.3	
Varget			44.6	46.7	48.6	50.4		
Big Game				50.0	51.9	53.7	55.6	
N540		42.6	44.7	46.6	48.6	50.5	52.4	
IMR 4350		48.7	50.5	52.2	53.9	55.6	57.4	
IMR 4451 End.			51.6	53.1	54.7	56.3	57.9	
A 4350		47.7	50.1	52.3	54.3	56.1	57.8	
H4350			46.8	48.8	50.8	52.7	54.6	
RE 16			48.5	50.4	52.2	54.1	55.8	57.6
RE 17			48.5	50.4	52.2	54.1	55.8	57.6
AR Comp		39.2	41.4	43.5	45.5	47.5		
Hybrid 100V			46.8	49.1	51.2	53.1	54.7	
Energy Ft. Lbs		1780	1915	2054	2198	2347	2501	2659

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	RE 16	57.6	3300	2659
Hunting Load	RE 16	57.6	3300	2659

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	3.265"
	#1830	.277"	130gr.	SPT	3.265"
	#1833	.277"	135gr.	HPBT Match	3.340"

Powder ▾	Velocity >	2500	2600	2700	2800	2900	3000	3100
RE 15			40.5	42.5	44.8	47.2	49.7	
Varget			40.3	42.4	44.5	46.6		
IMR 4350			46.2	48.1	50.1	52.1	54.1	
IMR 4451 End.			46.7	48.7	50.7	52.8	54.8	
A 4350				46.7	49.2	51.5	53.7	
H4350				45.3	47.5	49.7	51.9	
RE 16				45.6	48.0	50.2	52.3	
RE 17				45.6	47.6	49.7	51.8	53.9
Hybrid 100V				45.3	47.5	49.7	52.0	
Hunter			46.6	48.9	51.2	53.3	55.4	
H4831sc				49.9	52.4	54.8	57.0	
IMR 4955 End.		44.8	47.0	49.1	51.2	53.2		
N560			49.6	51.6	53.6	55.7	57.7	
RE 23				48.7	51.2	53.5	55.7	
IMR 7828ssc			49.9	52.1	54.2	56.1	57.9	
H1000				54.4	56.5	58.7	60.9	
Energy Ft. Lbs		1804	1951	2104	2263	2427	2597	2774

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	H4350	51.9	3000	2597
Hunting Load	RE 17	53.9	3100	2774

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	Bullet	Caliber	Weight	Type	C.O.A.L.
	#1835	.277"	140gr.	HPBT	3.200"
	#1845	.277"	140gr.	SBT	3.265"
	#4440	.277"	140gr.	TGK	3.340"

Powder	Velocity	2400	2500	2600	2700	2800	2900	3000
IMR 4350			45.2	47.2	49.1	51.0	52.9	
IMR 4451 End.			45.0	47.0	49.0	51.0	53.0	
A 4350			43.2	45.6	47.9	50.1	52.1	
H4350					44.9	49.6	52.1	
RE 16				45.2	47.4	49.5	51.5	
RE 17				44.3	46.7	48.9	50.8	52.5
Hybrid 100V				44.2	46.4	48.5	50.7	
RE 19		46.3	48.6	50.7	52.7	54.6	56.4	
Hunter				47.1	49.4	51.6	53.8	
H4831sc			47.8	50.2	52.6	55.0	57.2	
IMR 4955 End.			45.7	47.8	49.6	51.1	52.4	53.4
N560			47.8	49.9	51.9	53.8	55.6	57.3
RE 23				47.3	49.4	51.6	53.7	55.8
IMR 7828ssc			48.7	50.9	53.0	54.8	56.4	
IMR 7977 End.	50.2	52.1	54.0	55.8	57.7	59.5		
H1000		50.1	52.3	54.4	56.6	58.7	60.8	
Energy Ft. Lbs		1790	1943	2101	2266	2437	2614	2797

Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs
Accuracy Load	RE 16	51.5	2900	2614
Hunting Load	RE 17	52.5	3000	2797

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Bullet		Caliber	Weight	Type	C.O.A.L.				
	#1840	.277"	150gr.	SBT	3.270"				
Powder	Velocity	2300	2400	2500	2600	2700	2800	2900	
IMR 4350			43.6	45.7	47.8	49.8	51.7		
IMR 4451 End.			43.8	45.8	47.8	49.8	51.9		
A 4350				43.9	46.6	49.1	51.4		
H4350					45.8	48.4	50.5		
RE 16				43.7	46.0	48.2	50.6		
RE 17				43.9	46.0	48.0	50.0		
Hybrid 100V			41.1	43.2	45.3	47.3	49.4		
RE 19				47.1	49.4	51.6	53.8	55.9	
Hunter			44.8	46.8	48.8	50.9	53.0		
H4831sc				48.1	50.5	52.8	55.1		
IMR 4955 End.		42.8	45.0	47.1	49.1	51.2			
N560			46.6	48.9	51.0	53.1	55.0	56.9	
N165				49.4	52.1	54.6	57.0		
RE 23				46.2	48.6	50.8	53.0		
IMR 7828ssc			47.0	49.3	51.5	53.5	55.3		
IMR 7977 End.		48.7	51.1	53.3	55.3	57.3	59.1		
H1000					52.6	55.0	57.5		
Energy Ft. Lbs		1762	1918	2081	2251	2428	2611	2801	
Special Load	Powder	Grains	Velocity fps	Energy Ft. lbs					
Accuracy Load	Hunter	53.0	2800	2611					
Hunting Load	RE 19	55.9	2900	2801					