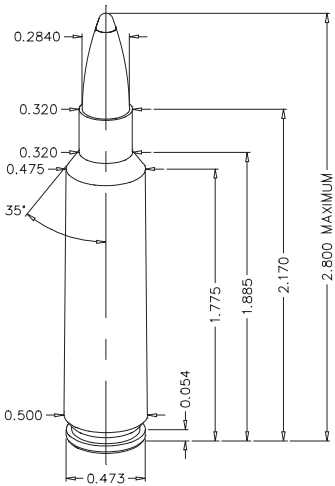


# 284 Winchester



## Test Specifications/ Components

**Firearm Used:** Savage Model 116

**Barrel Length:** 26"

**Twist:** 1 x 9"

**Case:** Winchester

**Trim-to Length:** 2.160"

**Primer:** Rem 9 1/2

## Remarks:

The 284 Winchester was the first U.S. rifle cartridge to be designed with a rebated rim. When major manufacturers take such an unorthodox approach in case design, it's a safe bet that there is a pretty good reason for it. With the 284, Winchester engineers wanted to squeeze 280 Remington performance

out of their Model 88 lever-action and Model 100 semi-automatic rifles. Both of these rifles used a short action, limiting overall cartridge length to 2.800" or less. Since they couldn't gain capacity by using a longer case, they increased body diameter to nearly that of a typical belted magnum cartridge. Remington basically took the same approach in their 6.5mm and 350 Magnum cartridges, but opted to use a shortened version of the standard belted magnum case. Unfortunately, both the Model 88 and Model 100 have since fallen by the wayside, taking the 284 cartridge with them. In years past, Browning and Ultra Light Arms both offered some bolt-action rifles for the 284.

The 284 can be reloaded with excellent results. Winchester's use of a rebated rim design avoids all the potential problems associated with belted cartridges. This allows it to be treated as a conventional rimless case. Like the 6.5mm and 350 Remington Magnums, the overall length of the 284 is also a drawback. With some of the heavier bullets, seating depth limitations will cause the bullet to encroach on powder space. As a result, the 284 is at its best with bullets no heavier than 150-160 grains. This is simply the price to be paid for the ability to use the shorter, lighter action.

Today, the 284 Winchester holds the somewhat dubious distinction of having spawned several wildcat offspring, which are now more popular than the parent cartridge. This may not be that hard to understand. The 284 has approximately the same capacity as the 30-06, which means that the performance of any '06-based cartridge can be duplicated by the 284 case in a short action. Some of these, most notably the 6.5/284, have become quite popular. While the rebated rim was a novelty when the 284 was introduced, there has been a flurry of new cartridges with this feature, most notably the Remington Ultra Mag family. Sounds like it was a pretty good idea after all!

## 284 Winchester continued

**#1895 .284" 100 gr. HP**  
C.O.A.L. 2.800"



Powder↓/Velocity →	3000	3100	3200	3300	3400	3500
748	46.6	48.7	50.8	<b>52.9</b>		
IMR-4895	47.2	48.4	49.6	<b>50.8</b>		
Varget	48.3	49.6	50.9	52.2	<b>53.5</b>	
IMR-4064	47.7	48.9	50.1	51.3	52.5	<b>53.7</b>
Viht N140	47.5	49.0	50.5	52.0	<b>53.5</b>	
RE-15	47.8	49.1	50.4	51.7	<b>53.0</b>	
XMR-4350	55.6	56.9	58.2	<b>59.5</b>		
IMR-4350	54.0	55.4	56.8	58.2	59.6	<b>61.0</b>
<b>Energy/ft.lbs.</b>	<b>1998</b>	<b>2134</b>	<b>2274</b>	<b>2418</b>	<b>2567</b>	<b>2720</b>
	<b>Powder</b>	<b>Grains</b>	<b>Velocity</b>	<b>Ft. lbs.</b>		
Accuracy Load	IMR-4350	58.2	3300	2418		
Hunting Load	IMR-4350	59.6	3400	2567		

**#1900 .284" 120 gr. SPT**  
C.O.A.L. 2.800"



Powder↓/Velocity →	2800	2900	3000	3100	3200
IMR-4895	45.0	46.5	48.0	49.5	<b>51.0</b>
Varget	45.9	47.3	48.7	50.1	<b>51.5</b>
IMR-4064	45.8	47.2	<b>48.6</b>		
Viht N140	45.9	47.5	<b>49.1</b>		
XMR-4350	52.9	54.1	<b>55.3</b>		
IMR-4350	51.9	53.3	54.7	56.1	<b>57.5</b>
RE-19	54.5	55.9	<b>57.3</b>		
H4831 SC	55.6	57.3	<b>59.0</b>		
<b>Energy/ft.lbs.</b>	<b>2089</b>	<b>2241</b>	<b>2398</b>	<b>2561</b>	<b>2729</b>
	<b>Powder</b>	<b>Grains</b>	<b>Velocity</b>	<b>Ft. lbs.</b>	
Accuracy Load	<b>XMR-4350</b>	<b>55.3</b>	3000	2398	
Hunting Load	IMR-4350	56.1	3100	2561	

**INDICATES MAXIMUM LOAD – USE CAUTION**  
**LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.**

# 284 Winchester continued

**#1903 .284" 130 gr. HPBT MatchKing**  
C.O.A.L. 2.800"



**#7250 .284" 130 gr. SPT SSP**  
C.O.A.L. 2.800"



Powder↓/Velocity→	2700	2800	2900	3000	3100
748	44.4	46.4	48.4		
IMR-4895	43.3	44.8	46.3	47.8	49.3
Varget	44.0	45.5	47.0	48.5	50.0
IMR-4064	43.7	45.1	46.5		
Viht N140	43.7	45.5	47.3		
XMR-4350	50.8	52.3	53.8		
IMR-4350	50.0	51.5	53.0	54.5	56.0
RE-19	52.0	53.5	55.0		
H4831 SC	52.7	54.6	56.5	58.4	
<b>Energy/ft.lbs.</b>	<b>2104</b>	<b>2263</b>	<b>2428</b>	<b>2598</b>	<b>2774</b>

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	Varget	48.5	3000	2598
Hunting Load	<b>IMR-4350</b>	<b>56.0</b>	3100	2774

*Sierra does not recommend MatchKing bullets for hunting applications.*

**#1905 .284" 140 gr. SBT**  
C.O.A.L. 2.800"



**#1910 .284" 140 gr. SPT**  
C.O.A.L. 2.800"



Powder↓/Velocity→	2500	2600	2700	2800	2900
748	40.9	43.2	45.5	47.8	
IMR-4895	41.0	42.7	44.4	46.1	
Varget	41.5	43.2	44.9	46.6	48.3
IMR-4064	41.4	43.0	44.6	46.2	47.8
Viht N140	41.0	42.9	44.8	46.7	
XMR-4350	47.9	49.4	50.9	52.4	
RE-19	49.0	50.8	52.6	54.4	56.2
H4831 SC		51.8	53.9	56.0	58.1
<b>Energy/ft.lbs.</b>	<b>1943</b>	<b>2101</b>	<b>2266</b>	<b>2437</b>	<b>2615</b>

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	XMR-4350	50.9	2700	2266
Hunting Load	<b>Varget</b>	<b>48.3</b>	2900	2615

**INDICATES MAXIMUM LOAD – USE CAUTION**  
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# 284 Winchester continued

**#1913 .284" 150 gr. SBT**  
C.O.A.L. 2.800"



**#1915 .284" 150 gr. HPBT MatchKing**  
C.O.A.L. 2.800"



Powder↓/Velocity→	2400	2500	2600	2700	2800	2850	2900
Varget	40.2	41.9	43.6	45.3	47.0		
Viht N140	39.8	41.7	43.6	45.5			
760	44.0	46.0	48.0	50.0			
XMR-4350	46.7	48.2	49.7	51.2			
IMR-4350		46.8	48.4	50.0	51.6	52.4	53.2
RE-19		49.1	51.0	52.9	54.8	55.7	
H4831 SC		49.8	51.8	53.8	55.8		
<b>Energy/ft.lbs.</b>	<b>1918</b>	<b>2082</b>	<b>2252</b>	<b>2428</b>	<b>2611</b>	<b>2706</b>	<b>2801</b>

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	H4831 SC	53.8	2700	2428
Hunting Load	IMR-4350	52.4	2850	2706

*Sierra does not recommend MatchKing bullets for hunting applications.*

**#1920 .284" 160 gr. SBT**  
C.O.A.L. 2.800"



**#1925 .284" 160 gr. HPBT**  
C.O.A.L. 2.800"



Powder↓/Velocity→	2300	2400	2500	2600	2700	2800
Varget	38.7	40.4	42.1	43.8	45.5	
760	43.5	45.2	46.9	48.6	50.3	
XMR-4350	45.0	46.7	48.4	50.1	51.8	
IMR-4350	43.9	45.5	47.1	48.7	50.3	51.9
RE-19	45.5	47.3	49.1	50.9	52.7	54.5
Viht N160	43.9	45.8	47.7	49.6	51.5	53.4
IMR-4831	46.2	47.9	49.6	51.3	53.0	54.7
H4831 SC	46.5	48.5	50.5	52.5	54.5	
<b>Energy/ft.lbs.</b>	<b>1879</b>	<b>2046</b>	<b>2221</b>	<b>2402</b>	<b>2590</b>	<b>2786</b>

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4350	50.3	2700	2590
Hunting Load	IMR-4831	54.7	2800	2786

**INDICATES MAXIMUM LOAD – USE CAUTION**  
**LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.**

# 284 Winchester continued

**#1930 .284" 168 gr. HPBT MatchKing**  
 C.O.A.L. 2.800"



Powder+Velocity →	2300	2400	2500	2600	2700	2800
IMR-4895	38.3	40.1	41.9	43.7	45.5	
Varget	39.4	41.1	42.8	44.5	46.2	
IMR-4064	38.5	40.3	42.1	43.9	45.7	47.5
760	42.0	44.0	46.0	48.0	50.0	52.0
IMR-4350	43.5	45.3	47.1	48.9	50.7	52.5
RE-19	45.5	47.4	49.3	51.2	53.1	55.0
Viht N160	44.3	46.3	48.3	50.3	52.3	54.3
IMR-4831	46.5	48.2	49.9	51.6	53.3	55.0
H4831 SC	46.8	48.8	50.8	52.8	54.8	56.8
<b>Energy/ft.lbs.</b>	<b>1973</b>	<b>2149</b>	<b>2332</b>	<b>2522</b>	<b>2720</b>	<b>2925</b>

	Powder	Grains	Velocity	Ft. lbs.
Accuracy Load	IMR-4350	50.7	2700	2720

*Sierra does not recommend MatchKing bullets for hunting applications.*



*Judy Ann Goetsch took this cow elk during an "antlerless only" hunt in northern New Mexico. She used a Browning Micro-Medallion in a 284 Winchester and a 160 grain HPBT GameKing with excellent results.*

**INDICATES MAXIMUM LOAD – USE CAUTION**  
**LOADS LESS THAN MINIMUM CHARGES SHOWN ARE NOT RECOMMENDED.**